



भारत का राजपत्र

(The Gazette of India)

प्राधिकार से प्रकाशित
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No. 34] NEW DELHI, SATURDAY, AUGUST 23, 1997 (BHADRA 1, 1919)

इस भाग में भिन्न पुल संख्या दी जाती है जिससे कि यह अकाग संकलन के रूप में रखा जा सके
[Separate pacing is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2j]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
(Notifications and Notices Issued by the Patent Office relating to Patents and Designs)

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PATENTS AND DESIGNS

Calcutta, the 23rd August 1997

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The States of Andhra Pradesh,
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Territories of Laccadive, Minicoy
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Telegraphic addiv "PATKNTOFIC"

Patent Office, (Head Office),
"N12AM PALACE", 2nd M.S.O.
Buildine, 5th, 6th & 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

All application*, notices statemooti or other document or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Office of the Patent Office.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 23 अगस्त 1997

पेटेंट कार्यालय के कार्यालयों के पर्यंत एवं अधिकारी

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शास्त्र कार्यालय हैं, जिनके प्राधीनिक अधिकारी जोन के भाग पर निम्न रूप अंतर्गत हैं :—

पेटेंट कार्यालय शास्त्र, टोडी इस्टेट,
तीसरा तला, लोअर परदे (प.),
मुम्बई-400013.

गुजरात, महाराष्ट्र, पश्चिम प्रदेश
तथा गोआ, राज्य क्षेत्र एवं संघ
शासित अधिकारी, बमन तथा दीव एवं
दावर और नगर हृष्णेली।

तार पता - "पेटेंटफिल्स"

पेटेंट कार्यालय शास्त्र,
एकक सं. 401 से 405, तीसरा तला,
नवरपालिका बाजार भवन,
मरुकरी मार्ग, करोल बाग,
नड्डी दिल्ली-110 005.

हरिहराणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटफिल्स"

Application for Patent filed at the Head Office 234/4, Acharya Jagdish Bose Roud, Calcutta-20.

The dates shown in the crescent bracketed are the dated claimed under section 175, of Patents Act, 1970.

1266/Cn1/197. Genenech, Inc, "HIV envelope polypeptides and vaccine" (Convention No. 08/676,737 on 8-7-96 in U.S.A.).

1267/Cn1/97. Faster Wheeler USA Correction, "CoViUH vessel unbending device and support structure". (Convention No. 08/683.814 on 19-7-96 in U.S.A.).

1268/Cn1/97. Werner Grabher, "Cn and facilities for its production, filling and sealed closure".

1269/Cn1/97. AQCO Limited, "Planocentric creep gear" (Convention No. 9615703.7 on 26-7-96 in U.K.).

1270/Cn1/197. Thyssua Stahl AG, "Process for producing groin oriented niHRnette steel sheeting". (Convention No. 19628136.9 on 12-7-96 in Germany).

1271/Cn1/97. Thywen Stahl AG, "Process for producing grainoriented electrical steel sheet". (Convention No. 19628137, 7-24 on 12-7-96 in Germany),

पेटेंट कार्यालय शास्त्र,
विंग 'सी' (सी 4, ए),
तीसरा तला, राजाजी भवन,
ब्रह्मपुर नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडू
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्ष्मीपुर, मिनिकाय
तथा एमिनिकिवि इवीप।

तार पता - "पेटेंटफिल्स"

पेटेंट कार्यालय (प्रधान कार्यालय)
मिजाम पैलेस, दिवरीय बहुस्तरीय कार्यालय
भवन, 5, 6 तथा 7वां तला,
234/4, गार्डार्ड जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अधिकारी क्षेत्र।

तार पता - "पेटेंटइंस"

पेटेंट अधिकारी, 1970 या पेटेंट नियम, 1972 में
अपेक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयोग कार्यालय में ही प्राप्त किए जायेंगे।

शुल्क : शुल्कों की अदायगी या तो नकल की प्राएगी अधिका
उपयोग कार्यालय में नियंत्रक को भूगतान योग्य भनाएश अधिका
आक आदेश या जहां उपयोग कार्यालय अवस्थित है, उस स्थान
को अनुरूपत अंक से नियंत्रक को भूगतान योग्य अंक ड्राफ्ट अधिका
र्थक वृशांत की जा सकती है।

1272/Cn1/97. Johnson & Johnson Consumer Products, Inc., "Method for altering hair (jrov/th and hair pigmentation by apoptosis in the follicular papillae and compositions therefore". (Convention No. 60/021,629 on 12-6-96 & on 25-6-97 in USA).

1273/Cn1/97. Comalco Aluminium Limited, "Process, for preparation of 6XXX series aluminium alloy" (Convention No. PO 0847 on 4-7-96 in Australia).

1274/Cn1/97. Alza Corporation, "Non-Aqueous polar aprotic peptide formulations" (Convention No. 60/022,699 on 3-7-96 in U.S.A.).

07-07-1997

1275/Cn1/97. Mitsui Petrochemical Industries, Ltd., "Process for producing aromatic carboxylic acids" (Convention No. 1R3886/1996 on 12-7-96 in Japan).

1276/Cn1/97. Siemens Aktiengesellschaft, "Lighting device for signalling, designating or marking".

1277/Cn1/97. Siemens Aktiengesellschaft, "Lighting device for signalling, designating or marking".

1278/Cn1/97. Siemens Aktiengesellschaft, "Lighting device for signalling on as well as designating and marking traffic areas in airports".

1279/Cftl/97. Siemens Aktiengesellschaft, "Lighting device for airports in pajtkulav a flush mnkr Hfsit".

1280/Cul/97. Siemens Aktiengesellschaft, "Process automation system" (Convention No. 19627464.8 on 8-7-96 in Germany). >

123I/Cal/97. Siemens Aktiengesellschaft, "Chip ciyd and method for its manufacture". (Convention No. 19627827.9 on 10-7-96 in Germany).

1282/Ca)/97. Babcock-Hilachi Kabushiki Kaisha, "Combiis-tio apparatus with the earne".

(Convention No,	Date	Country
08-190737	19-07-96	Japan
09-025637	07-02-97	Japan
09-025638	07-02-97	Japan
09-025640	07-02-97	Japan
09-027055	10-02-97	Japan)

i283/Cid/97. Lngdhanl Coij-jintion, "A method lor amoving arsenic from aqueous systems containing competingkras" (Convention No. 08/(591,639 on 02-08-96 in USA)-

08-07-1997

1284/Col/97. Daimler-Benz, Aerospace Airbus GmbH, "Arrangement for the recongnition* of sweeping or disturbing radiation". (Convention No. 196289181 on 18-7-96 in Germany).

*285/Cal/97. Siemens AktieEgesdsclifft, "Method for intensity gauging of optical SCIUOK for hieswing pcyiodicnUy fiuL-uiting dcctrinl or magnetic field intensities". (Convention No. 19627633.0 on 9-7-96 in Germany).

1286/Cal/97. Engelhard Corporation, "figment composttions" (Convention No. 08/689,177 on 6-8-96 in US A).

i287/Cal/97. Thysdi Stahl Ag. "Hot'strip made from steel and a process for its production". (Convention No. 19628135.0 on 12-7-96 & 19719546.6 on 9-5-97 in Germany).

12B8/Cal/97. Owens Corning, "Mineral fiber compositions" (Convention No. 08/741,849 on 31-10-96 & 08/778,419 on 31-12-96 in USA).

1289/Cal/97. 1. General Electric Company, i.nd 2. Ilia International JId., "A method for the decomposition of dicumylperoxide". (Divided out of No. 290/Cal / 93 antidaed > 20-05-^3).

09-07-1997

1290/Cal/97. Aptargroup, Inc., "One-Piece dispensing system and method for making same", i Convention No. 08/680,251 on 11-07-96 in U.S.A.)

1291/Cal/97. Patjues Bio SyMem B. V., "Sulphur reducing bacterium and its vise in biological desulphurisation processes".

1292/Cal/97. Edward Mendeil Co., Inc.. "Sustained release matrix for high-dose insoluble drugs".

1293/O1/97. 1. Chandi Duttu Siijht 2. Steel Authority of India Ltd., "An improved process for producing ferritic stainless steel hot band through high temperature continuous annealing".

1294/Cal/97. Eaton Corporation, "Control module" (Convention No. 08/679,879 on 15-07-1996 in US.)

1295/Cal/97. Eaton Corporation, "Transmission shaft and method for making same" (Convention No. 695, 116 on 5-8-96 in U.S.)

1296/Cal/97. Eaton Corporation, "Transmission inertia biake with self energizing", (Convention No. 681,255 on 22-7-96 in U.S.A.).

1297/CR1/97. Siemens Akticngesellschaft, "Portable data transmission Lnit and Listening element". (Convention No. 19629086.4 on J8-7-96 in Germany).

1298/Cal/97. Samsung Electronics Co, Ltd., "Erbium doped optical fibre amplified for automatically tracing and Altering wavelength of transmitted light and its operation method". (Convention No. 32235/ 1996 on 1-8-96 in Korea).

1299/Cal/97. Deguss;¹ Akliengesellschaft, "Mixture of orgi-nosilanepoisulphanes and a process for the production of rubber compounds containing these mixture*". (Convention No. 196281 904.1 om 18-7-96 & 197 02046.1 on 22-1-1997 in DE).

1300/Cal/97. Sridhar Kota, "Compliant force distribution arrangement for window wiper" (Convention No. 08/678, (W9 on 10-7-96 in U.S.A.)

130i/Cal/97. Samsung Electronics Co, Ltd. "Apparatus for stabilizing cut-off frequency min;] a u-ansconduc-tance" (Convention No. 96-28195 on 12-7-96 in Republic of Korea).

13O2/Cal/97. Kukjl Jnudstries Co. Ltd, "An apparatus for eliminating sludge m pipe".

10-7-1997

13O3/Cal/97. Klingcr Ag., "Sealing ring for a shut-off valve".

i304/Cal/97.PhilHps Petroleum Company, "Gitalyt system and pioccs.s for producing a polymer", (Convention No. 08/682 223 on 17-7-96 in U.S.A.).

13O5/Cal/97. Hochst Akliengitellschaft, "Novel light stubili-zers b;used on sterically hindered aminen" (Convention No. 19631244.2 on 2-^96 jn Germany).

I306/Cnl/97. Emitec Gesellschaft fur Emissionatechnologie MBH, Device for conducting an exhaust gas mass flow and/or for receiving a catalytic convener sup-porting-body". (Convention No, 29612758,2 on 24-7-96 in Germany).

1307/Cal/97. Matsushita Electric Industrial Co. Ltd., "Dis-assembling method of electronic appliance and dis-assembling apparatus thcieof".

Country, Date & Convention No.

JapaD	30-07-1996	8-199932
Japan	30-07-1996	8-199933
Japan	06-09-1996	8-236337
Japan	26-09-1997	8-254131
Japan	03-03-1997	9-047523
Japan	08-O3-1997	9-051335
Japan.	13-03-1997	9-058920
Japan	21-03-1997	9-067650

1308/Cal/97. New Technologies (Sa-Ysy) Ltd., "Apparatus and method for controlling the contractility of muscles" (Convention No. 60/026, 392 on 16-9-96 in U.S.A.)

1309/Cal/97. New Technologies (Sa-Ysy) Ltd., "Apparatus method for reversibly blocking the muscle activity of various muscle's" (Conv&ntlon No. 60/026, 392 on 16-9-96 in U.S.A.)

1310/Cal/97. Ehih-Chiug Hsieh, "Wronch and socket set".

1311/Cal/97. New Technologies (Sa-Ysy) Ltd., "Diug-Dcvice combination for controlling toe contractility of mus GleV. (Convention No. 60/026,392 on 16-9 90 in U.S.A.)

11-07^A1997

1312/Cal/97. Glaxo Group Limited, "Heterocyclic compounds" (Convention No. 961-1763.2 on 13-7-96 & 9625492.5 on 7-12-96 in United Kingdom).

1313/Cal/97. Glaxo Group Limited, "Novel heterocyclic compounds" (Convention No. 1614756.6 on 13-7-96 & 9625495.8 on 7-12-96 in United Kingdom).

1314/Cal/97. Glaxo Group Limited, "New heterocyclic compounds" (Convention No. J614751.K on 13-7-96 & 9625458.6 on 7-12-96 in United Kingdom).

1315/Cal/97. Technological Resources Pty. Ltd., "A top injection lance" (Conve: ion No. PO 0959 on 12-7-96 in Australia).

1316/Cal/97. Franz Plusser Bahnbaua.schinen-luclustrieg(;;-sellschaft m.b.h. of A tiack maintenance machine for excavating ballast bed material" (Convention No. A 1469 on 14-8-96 in Austria).

1317/Cal/97. Knuerr-Mechanik Fur Die Elektronik Aktiengesellschaft, "Support system for workplace furniture" (Convention No. 29612106.1 on 11-7-96 in Germany).

1318/Cal/97. Krone Aktiengesellschaft, "Connection element" (Convention No. 19642445.3 on 15-10-96 in Germany).

1319/Cal/96. Matsushita Electric Industrial Co. Ltd., "A pump device for washing machine or alike" (Convention No. 8-1K4575 on 15-7-96 in Japan).

14-07-1997

1320/Cal/97. Shinichi Beppu, "Thong type sandal",

1321/Cal/97. Acciai Speciali Terni S.F.A., "A method for the continuous casting of thin metal products, and apparatus for carrying out the same" (Convention No. RM96A000506 on 16-7-96 in Italy).

1322/Cal/97. Matsushita Electric Industrial Co. Ltd., "Washing Machine" (Convention No. 8-18457S on 15-7-96 in Japan).

1323/01/97. Samsung Electronics Co. Ltd., "Dual bind antenna". (Convention No. 639/1997 on 13-1-97 in Korea).

1324/Cal/97. General Electric Company, "Method and apparatus for modulaLine X-Ray tube current". (Convention No. 08/706, 613 on 5-9-96 in U.S.A.).

1325/Cal/97. Partha Datta, "Glass sheet with packing member".

1326/Cal/97. 1. Helmut Bucher 2. Hclmulh Schulz. 3. Georg Wendelin. "Filter apparatus for liquids containing impurities" (Convention No. 2132/96 on 5-12-96 in Austria).

Alteration of Date

179082 (694/Del//90)	filed	on 10-7-1990 Ante dated to 24-8-1987
179083 (708/Del/90)	filed	on 12-7-90 Ante dated to 25-8-1987
179084 (600/Del/87)	filed	on 4-9-1990 Ante dated to 15-7-1987
179086 (829/Dcl/91)	filed	on 6-9-1991 Ante dated to 17-8-1988
179098 U.(>9/Del/H7)	filed	on 29-5-1990 Ante dated to 27-3-1987
179099 (672/Dcl/90)	filed	on 13-6-1990 Ante dated to 9-4-1987
179100 (581/DelfJO)-	filed	on 14-6-1990 Ante dated to 1-6-1987

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned may, at any time within four months of the date of this file or within such further period not exceeding one month applied for on Form-14 prescribed under the Patent Rules, 1972 before the expiry of the said period of (our laontha, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of the date as prescribed in Rule 36 of the Patents Rules. 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the patent office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charge which may be ascertained on application to that office. Photo copy charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs 2/-.

स्वीकृत सम्पूर्ण विनियोग

एवंइतारा यह सूचना वो जाती है कि सम्बद्ध आवेदनों में से किसी पर पट्टें अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्माण की तिथि से भार (4) महीने या अधिक एसे अवधि औ उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर शाविदित एक महीने को अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लियम दक्षत्य उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्यक्ष विनियोग के संदर्भ में नीचे दिए गये क्रमांकण, भारतीय वर्गीकरण सथा अन्तर-राष्ट्रीय वर्गीकरण के अनुसृप हैं।"

स्पष्टकान (वित्र आरबो) की फोटो प्रतियां यदि कोई हो, के साथ विनियोग की अंकित अथवा फोटो प्रतियां की आपूर्ति पट्टें कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसको बढ़ायगी पर की जा सकती है। विनियोग की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनियोग के सामने नीचे वर्णित वित्र आरबो कागजों को जोड़कर उसे 2 से गुणा करके, (व्यांक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 36 Al, 163 D

179071

Int. Q. : F 01 N 7/08,

REGR1GERANT COMPRESSOR DISCHARGE MUF-
LER.Applicant : COPELAND CORPORATION, CAMPBELL
ROAD, SIDNEY, OHIO 45365-0669, U. S. A,

Inventors :

- (1) AUSTIN SPRINGS CHILDS,
- (2) HUBERT BUKAC,
- (3) SIMON YTREN WANG.

Application No. 736/Cal/92 filed on 12th October, 1992,

Appropiat: Office for Opposition Proceedings (Rule 4,
Patent Rule 1972) Patent Office Calcutta.

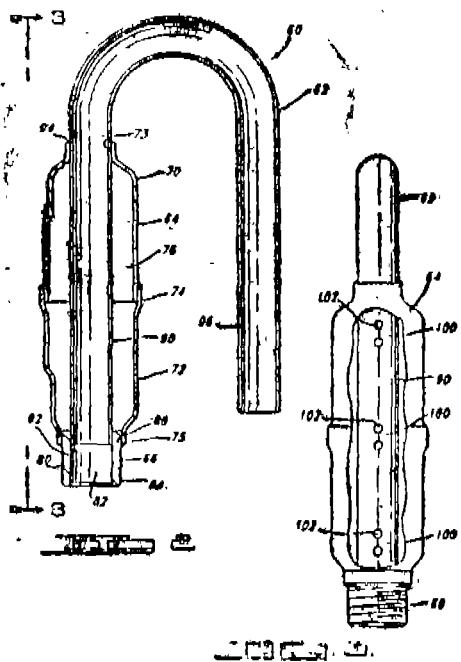
10 Claims

A compressof discharge muffler comprising :

3 shell defining B generally cylindrical sound attenuation chamber having a longitudinal axis, said chamber having an inlet disposed at a first end of said shell and an outlet opening disposed af a second end of sak' shell;

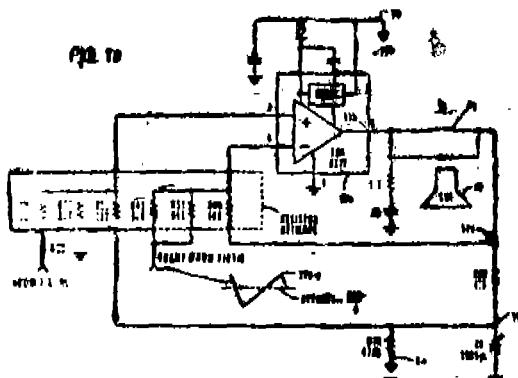
a single piece lube disposed within said attntuatio.ii chamber having a centre axis, a central passage, an outlet end and an inlet end sealingly connected to said inlet opening for receiving gas entering said muffler, snid outlet end sealingly connected to said outlet opening for di:charri;ng said gas from said muffler, said tube being straight with sail centre axis of said tube extending generally parallel to said longitudinal axis of said shell; and

means defining a plurality of spuced arrangements (100) of apertures through the wall of said tube 162J each arrangement of apertures (100) being spaced a specified distance frbm adjacent arrangements of apertures (100) each arrangements of apertures comprising a plurality of apertures each having an axis generally perpendicular to said centre axis of said tube, each apperturs (102) of said plurality of apetrues connecting said attenuation chamber to said central passage of said tube.



Mft'

T\$% GMfElF OF IN^IA, AUGUST 2\$, 199? (B1&DKA 1, m\$>) [PART UI-SBC. 2



(Compl. Specn. 13 pages;

Drgs. 4 sheets.)

Ct. : B65D 05/32

179073

Int. Cl. : 23E.

PIPE UP TRAY FOR THE TRANSPORTATION OF GOODS AND THE METHOD OF ITS MANUFACTURE.

Applicant : VIDECArt, S.A. OF 311H6 IBIRICU DE EGUES (NAVARRA), SPAIN.

Inventor : FATHJMA MARCH VILA.

Application No. 307/Cal/93 filed on 01st Juno, 19H.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

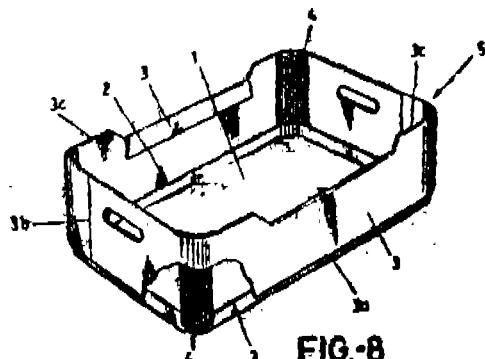
11 Claims

A pile-up tray for transportation of goods and in particular perishable goods such as fruit and vegetables, said tray comprising:

a cask of bottom (1, 11) forming the bottom of the tray, said cask being made of compact card board and having marginal flanges (2, 14) on its periphery extending from the bottom;

side walls (3, 16, 17) upstanding from the bottom of the cask, said side walls being made of compact cardboard and attached to the outer sides of marginal flanges; the cast and the side walls being separate pieces, and being formed by five pieces, such that one of said pieces forms the cast or bottom (11) of the tray, two or the pieces form the longer opposite side walls (16) of the tray, and the other two pieces form the shorter opposite side walls (17) of the tray;

said pieces being attached to one another by glueing; each longer side piece (16) being provided with folding wings (20) extending at its opposite ends from folding lines (19) transverse to the piece, said folding wings (20) being superposed over and attached to the shorter side pieces (17) forming the shorter sides of the tray totally; and each shorter side piece being provided with foldable wings (21) at its two ends extending from folding lines transverse to the said piece, said foldable wings being superposed and tilted to the ends of the longer side piece.



(Compl. Specn. 29 pages;

Drgs. 15 Sheets.)

Cl. : 16BO

1/y/4

Int. Cl. : K01F 9/00.

SIGNALLING MEANS.

Applicant : ASTUCIA-SOCIEDADE DE ENSENVOLVIMENTO DE PATENTES, LDA, OF AVENIDA ARRAGA, 30-20F 900 HUNCHAL, MAPEIRA,

Inventors : MARTIN EDWARD DICKS.

Application No. 345/Cal/1993 filed on 21st June 1993.

Convention Nos. 9214474.0, 9305080.5 on 8-7-92 & 12-03-93 in U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

12 Claims

Signalling means (1, 11) comprising by at least one means (7) to receive light, and at least one means (C3) to receive power from at least one means (7) able to be charged by light from a vehicle headlight, and a visible signal means (8; 13, 15) connected to and activated by said chargeable means (7, C3) characterized in that on being charged, said chargeable means (7, C3) activates said signal means (8; 13, 15) for a discrete period of time after said headlight has ceased to illuminate said chargeable means (7, C3) and until said chargeable means (7, C3) has discharged.

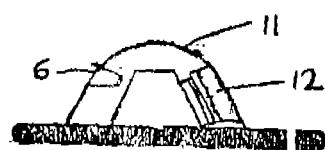
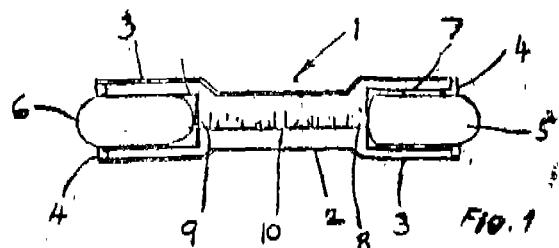


Fig. 2

(Compl. Specn. 22 Pages;

Drgs. 7 Sheets.)

U. : -OB

179075

Int. Cl. : B01J 31/40.

A PROCESS FOR PREPARING A SULFONE-CONTAINING MIXTURE HAVING A REDUCED CONCENTRATION OF AN ACID-SOLUBLE OIL.

Applicant : PHTLIPS PETROLEUM COMPANY, OF THE STATE OF DELAWARE, U.S.A.

Inventors :

- (1) ALAN DAN EASTMAN,
- (2) ROBERT BRUCE ELDRIDGE,
- (3) RICHARD LEE ANDERSON,
- (4) DAVID PAUL MANN.

Application No. 434/Cal/1993 filed on 02nd August, 1993.

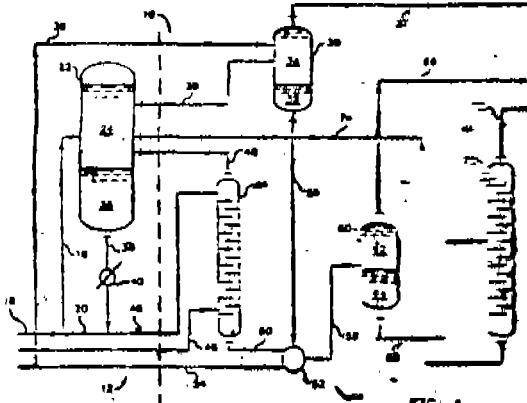
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

13 Claims

A process for preparing a sulfone-containing mixture suitable for use in the polymerization of hydrocarbons which comprises treating a sulfone-containing mixture containing an acid-

soluble oil (ASO) as an impurity, said process comprising mixing water with a sulfone-containing mixture to form a hydrous sulfonate-confining mixture wherein the amount of water mixed with said sulfone-containing mixture is such that the volume ratio of the sulfone component to water in said hydrous sulfone-containing mixture is in the range of from about 6:1 to about 1:6 and is sufficient to cause the formation of a phase comprising ASO and a sulfone; with a water phase comprising water and said sulfone, and separating said hydrous sulfone-containing mixture into said ASO phase and said sulfone with water phase wherein said mixing and separating are each carried out at a temperature of from about 0°F to about 250°F, and a pressure in the range of from about 0.5 to about 30 atmospheres absolute" pressure; and

if desired, using the sulfone with water phase recovered as at least a portion of a sulfone-containing alkylation catalyst in an alkylation process which comprises contacting a hydrocarbon mixture comprising olefins and isoparaffins with said sulfone-containing alkylation catalyst within a reaction zone to thereby produce an alkylation reaction mixture.



(Compl. Specn. 26 Pages;

Drgs. 1 Sheets.)

Cl. : 206E

17907(5)

Int. Cl. : Q04O 7/02.

PAGING SYSTEM,

Applicant : GLENAYRE ELECTRONICS, INC. OF 4201 CONGRESS STREET, SUITE 455, CHARLOTTE, NORTH CAROLINA 2820*, U.S.A.

Inventors :

- (1) GLENN STUART FAWCETT,
- (2) DAVID WAYNE GLESSNER,
- (3) MARK LEONARD WITSAMAN.

Application No. 517/Cal/1983 filed on 06th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

9 Claims

A paging system comprising :

- (a) a system controller having a system clock for maintaining a system time, said system controller being operative to encode paging data blocks, said paging data blocks containing pages to be broadcast, each of said paging data blocks containing a start time and timing information, said timing information being derived from said system clock; and
- (b) a plurality of paging stations for receiving said timing information, each of said paging stations comprising :
 - (i) a link receiver for receiving said paging data blocks from said system controller;

(ii) a transmitter for broadcasting said pages contained in said paging data blocks; and

(iii) a station controller comprising a paging station clock for maintaining a station time, said station controller receiving said paging data blocks from said system controller and forwarding said pages contained in said paging data block to said transmitter for broadcast when said station time of said paging station clock equals said start time contained in said paging data block,

said paging station clock of at least one of said paging stations utilizing timing information contained in said paging data blocks to calibrate said paging station clock to said system clock.

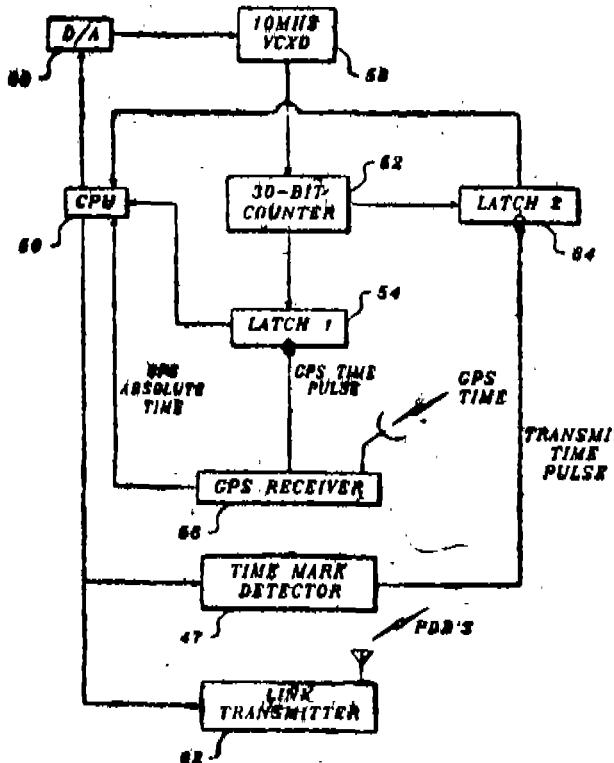


Fig. 2

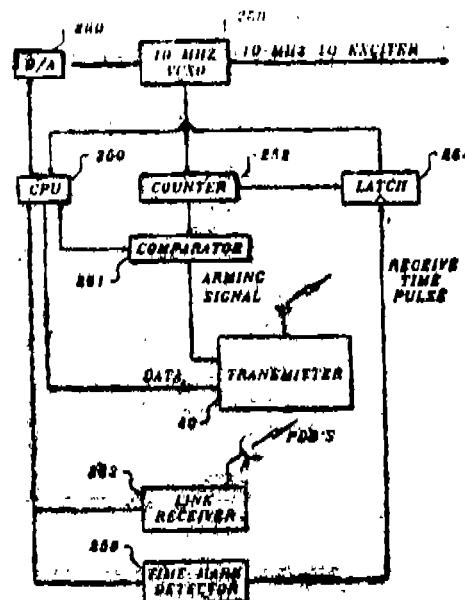


Fig. 6

(Compl. Specn. 29 Pages;

Drgs. 14 Sheets.)

described, wherein the said ingredients of the aforesaid mixtures are present in the following proportions by weight :

- (i) refractory material -4-84%
- (ii) additive -1-85%
- (iii) bonding material -2-11 S⁷
- (iv) metal(s) -2-8*
- (v) nitrate -1-2%
- (vi) gun powder -2-3% End
- (vii) carbon/charcoal -0-2%

optionally including in the composition suitable agents capable of burning over a prolonged period and, if desired, converting the composition in a slurry form for safe transportation.

(Conip. Specn. 24 pages; Drg. Nil)
(Provn. Specn. 13 pages; E*rgn. Nil)

Cl. : 32F 2(d), 55D2. 179080
Int. Q. ; C07C 317/32, C07C 143/828.

"IMPROVED PROCESS FOR MAKING SULFONYL ISOCYANATES."

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, U.S.A.

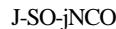
Inventors : (1) DAVID AKUETEH ADJEI,
, (2) CHARLES T. BLAISDELL,

Application No. : 981/Cal/1995 filed on 21st August, 1995.

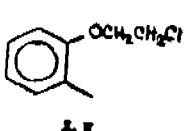
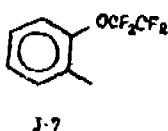
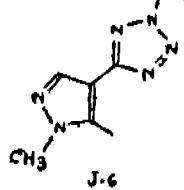
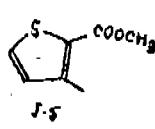
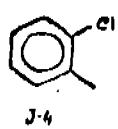
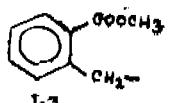
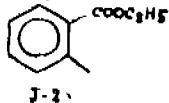
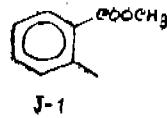
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Calcutta.

(4 Claims)

It is a process for making a compound of the formula



wherein
J is



by reacting a compound of the formula I-SO₂NH₂ with phosgene in a reaction mixture comprising the compound J-SO₂NH₂, phosgene and a solvent, such as herein described, the improvement comprising conducting the reaction in the presence of a molar excess of phosgene relative to the compound J-SO₂NH₂ at a temperature in the range of 10°C-200°C in the presence of catalyst such as herein described and by adding the compound I-SO₂NH₂, in small increments or continuously in the reaction mixture,

Ind. Cl. : 206E, 133A

179081

Int. Cl. : HOU 3/00.

AN ANALOGUE CURRENT CONTROL SIGNAL TRANSMISSION SYSTEM FOR CONTROLLING STEPPER MOTORS,

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI 1860).

Inventors : (1) SUDHANSU MOHAN SHARMA, INDIA,
(2) HAUSILA SINGH, INDIA.

Kind of Application : Provisional-Complete.

Application for Patent No. ; 683/Del/90 filed on IO-7T1990.

Complete left after provisional filed on 30-8-1990.

Ante dated to 19-4-1988.

Divisional to Patent Application No. 333/Dd/88 file* on 19-4-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims 2)

An analog current control signal transmission system for controlling stepper motors which comprises a microprocessor-based PCB, step & direction controller (1), being connected to a digital-to-analog converter (2), the said digital-to-analog converter (2) being connected to a voltage to current converter (3), the voltage to current converter (3) being connected in parallel through a two-wire transmission line (4) to a direction detector (5) and to a logic pulse generator (6), the outputs of both direction detector (5) and logic pulse generator (6) being connected to a logic sequence generator (7), the said logic sequence generator (7) being connected to a power drive circuit (8), which is being connected to the winding* of a stepper motor (9).

Ref. : NIL,

Agent : NIL.

(Provisional Specification : 6 pages Drawing Sheet: Nil)

(Complete Specification : 8 pages Drawing Sheet: 1)

Ind. Cl. : 170 B, D

179082

Int. Cl. : CUD 13/00.

"A PROCESS FOR PRODUCING HIGH GRADE SOAP".

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : (1) EDWARD ALBERT TAVSS, U.S.A.
(2) EDWARD EIGEN, U.S.A.

Kind of Application : Complete.

Application for Patent No. : 694/Del/90 filed on 10-7-1990.

Ante dated to 24-8-1987.

Divisional to Patent No. 741/Del/87 filed on 24-8-1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims 5)

A process for producing high grade soap which comprises hydrlyzing an emulsified mixture of a high melting, fat MWJI as beef tallow and u. vegetable oil of the kind such as herein described, said fats being present in the weight ratio of 75% (o 90% and said vegetable oil in the weight ratio of 25% to 10% in an aqueous medium and a non-stereospecific lipase enzyme at a temperature in the range of from 25 to 50°C and at a pH of 4- to 5.5, to produce; a mixture of fatty acids and glycerol, subjecting said mixture to agitation to agitate to obtain three layers, a top layer of fatty acids, a middle layer of lipase enzyme and bottom layer of aqueous glycerin, separating said fatty acids from said three layers and neutralising with alkali to produce a soap free of undesirable additive.

Ref. : NIL.

Agent : REMFRY & SAGAR.

(Complete Specification : 17 pages Drawing Sheet; Nil)

Ind. Cl. : 32 F(1) 179083,
Int. Cl. : C07C 19/045.

AN OXYCHLORINATION PROCESS FOR THE PRODUCTION OF 1, 2-DICHLOROETHANE.

Applicant : THE GFON COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OE 6100 AK TREE BOULEVARD CLEVELAND, OHIO 44131, UNITED STATES OF AMERICA.

Inventors : (1) JAMAL SHAHAD EDEN, USA.

(2) JOSEPH ALLEN COWFER, USA.

Kind of Application : Complete.

Application for Patent No. 708/Del/90 filed on 12-7-90.

Ante dated to 25-8-1987.

Divisional to Patent No. 752/Del/87 filed on 25-8-87.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

An oxychlorination process for the production of 1,2-dichloro-ethene comprising (a) the reaction in the range of from 1.0 moles to 1.1 moles, of ethylene and in the range of from 0.5 mole to 0.9 mole of oxygen at every 2.0 moles of HCl in the presence of (B) a catalyst composition comprising a high surface area (alumina support containing, deposited thereon in the range of from 4% to 17% by weight of a copper salt, in the range of from 0.25% to 2.3% by weight of an alkali metal salt or mixtures thereof and in the range of from 0.2% to 15% by weight of a rare earth metal salt or mixture thereof, all weight based, upon the total weight of the catalyst composition, wherein the weight ratio of the rare earth metal salt to alkali metal salt or alkls is at least 0.8:1, and (C) at conditions in the range of from 190°C to 250°C, at a pressure of in the range of from atmospheric to 70 psig, and for a contact time in the range of 10 seconds to 50 seconds..

Ref. : USP-3488398, 3308197, 3862996, 4339620, 4646821, 4123389, 4124534, 4239527, 4446249.

Agent : REMFRY & SAGAR.

(Comp. Specn. 37 pages;

Dwg. 1 sheet

Ind. Cl. : 117C

179084)

Int. Cl. : E05B 19/00.

KEY IILAD1! FOR USB VVTH A ROTARY CYLINDER LOCK.

Applicant : WTDEN INNOVATION AB, A SWEDISH COMPANY, OF P.O. BOX 37. SV6400 TORSHALLA, SWEDEN.

Inventor : HO WJDEN, SWEDEN.

Kind of Application : Complete.

Application for Patent No. S80/Del/90 filed on 4-9-90.

Ante dated to 15-7-1987.

Divisional to Patent No. 600/Dcl/87 filed on 15-7-987.

Appropriat; Office for Opposition ProcediHE» (Rule 4) Patents Rules 1972). Patent Office Branch, New Delhi-110 005.

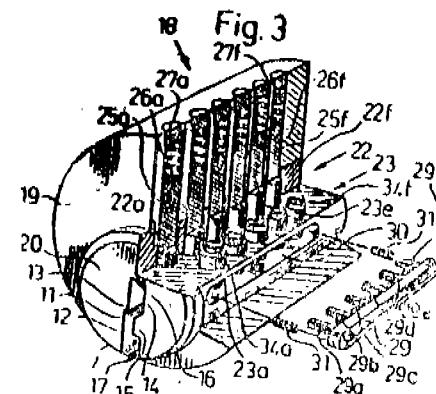
14 Claims

A key blade for use with a rotary cylinder lock, said key blade comprising of a longitudinal axis of insertion and having an elongated generally longitudinally extending wave-like code pattern (38) having concavity locations, which are geometrically formed and longitudinally distributed for corresponding to a row of elevationally and rotatably movable locking tumblers (23a-23e) of a cylindrical type lock (18), characterised in that said code pattern (38) is formed in a side portion (5) of the blade, said code pattern having depth which extends only partially through said blade, and in that the longitudinal distribution of the central portion of said concavity locations (40-44) is irregular and differs from the longitudinal distribution of the axes of the locking tumblers of the associated lock to enable a specific rotational positioning of each locking tumbler (23a-23e) leaving a transversely, projecting finger being located in a respective concavity location upon inserting the key blade into the lock.

Ref. : USA-203912C, 3499302,

DEU-7203658.

Agent : REMFRY & SAGAR.



(Comp. Specn. 21 pages;

Dwg. 4 sheets.)

Ind. a. : 32 F 3C

179083

Int. Cl. : C07C 27/00, 29/00

AN IMPROVED PROCESS FOR THE PRODUCTION OF A MIXTURE OF CYCLOHEXANONE AND CYCLOHEXANOL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI 100091, INDIA,

Invntors: JALE SUDHAKAR REDDY, INDIA; SUBRAMANIAN SIVASANKER, INDIA; PAUL RATNASAMY, INDIA.

Kind of Application : Complete.

Application for Patent No. 1097/Dcl/90 filed on 7ih Nov., 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Dclhi-110 005.

4 Claims

An improved process for the production of a mixture of cyclohexanone and cyclohexanol which comprises reacting cyclohexane with an aqueous solution of hydrogen peroxide in presence of a crystalline titanosilicate designated as TS-2 having the molecular formula: X TiOs_(1-X) SiO₂ wherein X varies from 0.002 to 0.2 and characterized by x-ray diffraction pattern and infrared adsorption data as presented in Tables 1-2 as herein described at temperatures in the range of 60-150 °C at autogeneous pressures for a period between 1 and 10 hours and recovering the mixture of cyclohexanone and cyclohexanol from the reaction products.

Ref. : Nil

Agent : Nil

(Compl. Specn. 11 pas*)

Drawing Sheets Nil

Ind. Cl : 40E
Int. Cl.*: C07F 9/54

179086

PROCESS FOR THE RECOVERY OF PHOSPHORUS COMPOUNDS FROM A MIXTURE OF HYDROGEN SULPHIDE AND PHOSPHORUS COMPOUNDS.

Applicant : THFC LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 29400 LAKELAND BOULEVARD, WICKLIFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventor : FRANK MARIYA VAN LIER, U.S.A.

Kind of Application : Complete.

Application for Patent No. 829/Del/91 filed on 6-9-1991.

Ante dated to 17-8-1988.

Divisional to Patent No. 708/Del/88 Died on 11-8-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

17 Claims

A process for the recovery of phosphorus compounds from a mixture hydrogen sulphide and phosphorous compounds such as herein described of the general formula :



wherein R^L and R^S are each aliphatic groups containing from 1 to 10 carbon atom* by the removal of hydrogen sulphide from said mixture, said process comprising preheating said mixture to a temperature of from 20°C and 115°C, and thereafter rapidly heating in a manner as herein before described said mixture to a temperature of from 80°C to 180°C for a period of time sufficient to separate substantially said hydrogen sulphide from said phosphorus compounds and recovering said phosphorus compounds,

Ref. : Reference has been made to Indian Patent No. 175512 (708/Del/88).

Agent: Remfry & Sagar.

(Compl. Specn. 14 page)

Ind. Cl. ; 32 F(sH & 55E»

179087

Jnt. CV : C 07 C 35/12

A 61 K 31/00

AN IMPROVED PROCESS FOR THE PREPARATION OF 1-MENTHOL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : LAXMI NARAIN MISRA, INDIA; ATEEQUE AHMAD, INDIA; RAGHUNATH SINGH THAKUR, INDIA.

Kind of Application : Complete..

Application for Patent No. 949/Del/91 filed on 01-10-91.

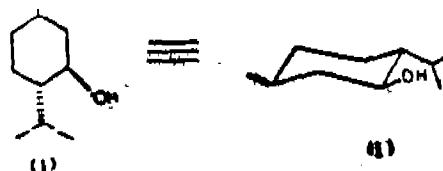
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005,

2 Claim*

An improved process for the preparation of 1-methanol from menthone which comprises mixing N, N-dimethyl formamide, sodium bicarbonate and demerholised oil (DMO) containing menthone at a temperature in the range of 105—110°C adding sodium dithionite in water to the resultant mixture and refluxing the mixture, cooling the refluxed mixture by adding cold water, extracting with solvent such as chloroform, ether, dichloromethane washing the extract with conventional alkali then washing with water and drying in vacuo to obtain 1-methanol.

Ref. : Nil

Agent : Nil



Compl. Specn. 7 pages

Drgn. 1 sheet

Ind. Cl. : 83Ai

179038

Int. Cl.* : A 23J 1/14

AN IMPROVED PROCESS FOR THE PREPARATION OF COCONUT CREAM FROM RIPENED COCONUT KERNEL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: CHAMY ARUMUGHAN, INDIA; CHANDRASEKHARAN BALACHANDRAN, INDIA; ANDIKKANNU SUNDARESAN, INDIA.

Kind of Application : Provisional Complete.

Application for Patent No. 64/Del/M filed on 30-1-92.

Complete left after provisional specification on 31-3-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An improved process for the preparation of Coconut Cream from ripened coconut kernel which comprises;

(i) Splitting of the coconut, separating the white kernel, washing the deshellcd kernel in water containing H2O2 upto 100 Dpm

Dmai. Sheet Nil

(ii) Blanching the washed kernel by heating with steam at a temperature in the range from 80—90 degree Celsius,

(Mi) Extracting coconut milk from the blanched kernels by conventional methods,

(iv) Adding the resultant coconut milk having 23 to 26% solid contents, into an additive mixture consisting of casein in the range from 1.0 to 1.5% polyoxyethylene sorbitan monooleate in the range from 0.2 to 0.25%, carboxy methyl cellulose-sodium salt of high viscosity in an amount from 0.1 to 0.2%, guar gum ranging from 0.1 to 0.2% and sugar in an amount ranging from 3 to 4% and remaining water to make 100%.

(v) Adjusting the pH of the resultant mixture around 6 using 6.25 N NaOH and stirring at a temperature in the range from 75—80 degree Celsius, and

(vi) Pasteurising the resultant mixture by conventional methods.

Ref.: Nil

Agent: Nil

Compl. Spetti. 18 pages

Dnms. Nil

tntS1. : 55Bi.E₄

^{17 #> 89}

Int. Cl.* : A61K-9/22.

A METHOD OF PREPARING AN ORALLY ADMINISTRABLE PHARMACEUTICAL DOSAGE FORM.

Applicant : JOHN RHODES, OF 25 NANTFAWR ROAD, L3YNCOED, CARDIFF, SOUTH GLAMORGAN, UNITED KINGDOM AND BRIAN KENNETH EVANS, OF 9 MERE-VALE, THE COMMON, DINES POWIS, SOUTH GLAMORGAN UNITED KINGDOM, BOTH BRITISH CITIZENS.

Inventors :

- (1) JOHN RHODÉS, BRITISH,
- (2) BRIAN KENNETH EVAN, BRITISH.

Kind of Application ; Complete.

Application for Patent No. 149/Del/92 filed on 21-2-1992 Convention date 22-2-91/9103795. 2/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A method of preparing an orally adm'istrable pharmaceutical dosage form for selectively administering a drug selected from 5-aminosalicylic acid and pharmaceutically acceptable salts and esters thereof, topically active steroids and bismuth salts and complexes to the intestine comprising Coating a plurality of granules of said drug with a coating material soluble in the intestine and selected from the group comprising cellulose acetate phthalate, hydroxypropyl methyl cellulose phthalate, ethyl cellulose, polyvinyl acetate phthalate or anionic polymers; enclosing said coated granules in a capsule; and coating said capsule with the same or different coating material soluble in the intestine and selected from the group comprising cellulose phthalate, ethyl cellulose, polyvinyl acetate phthalate and anionic polymers such as hereinbefore described optionally in admixture with a neutral insoluble but permeable polymer such as hereinbefore described and/or conventional additives.

Rcf. : Nil.

Agent : Reinfry & Sagar.

(Compl. Specn. 25 Pages;

Drg. 1 Sheet.)

Ind. Cl. : 49 C + E

179090

Int. Cl* : A 23 L 2/04

A 23 N 1/00

A 47 J 19/00

A DEVICE FOR THE PREPARATION OF A SOFTENED FRUIT OR VEGETABLE PRODUCT CONTAINING PULP DESTINED FOR JUICE AND PUREE EXTRACTION AND PROCESS THEREFOR.

Applicant : PRIMO BERTOCCHI, AN ITALIAN CITIZEN OF 8, VIA ARGONNE, 43100 PARMA, ITALY

Inventor : PRIMO BERTOCCHI, ITALY.

Kind of Application. Complete.

Application for Patent No, 240/Del/92 filed on date 17-03-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-i 10005.

12 Claims

A device for the preparation of a softened fruit or vegetable product containing pulp destined for juices and puree extraction from fruits or vegetables comprising two shaped walls describing a cavity for the passage of the product to be treated, at least one of said walls being movable with respect to the other wall, said shaped walls having respective projections without sharp edges, shaped to subject the product to a sequence of stresses and impacts in rapid succession. •

Ref. No. Nil.

Agent : Remfry & Sagar.

(Compl. Specn. U Pagss;

Digs. 3 Sh_{et}i.j

tnd. Cl. : 88F

179091

Int. Cl< ; B01 D 47/00.

An AQUEOUS ACID GAS SCRUBBING COMPOSITION.

Applicant : EXXON RESEARCH AND ENGINEERING CO., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA,

Inventors :

- (1) LARRY JOSEPH SHULIK,
- (2) GUIDO SARTORI,
- (3) WIN-SOW WINSTON HO,
- (4) WARREN ALAN THALER,
- (5) GEORGE ELMER MILLMAN.

Application for Patent No. 300/Del/87 filed on 9 April 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

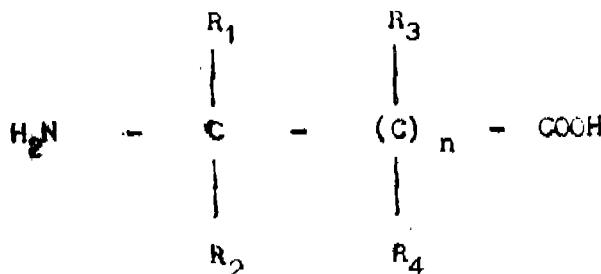
5 Claim

An aqueous acid gas scrubbing composition comprising

- (a) from 20 to 40 wt. % of one or more alkali metal salts;

(b) from 2 to 15 wt. % of an amino compound selected from :

(i) One or more primally clerically hindered amino-acids represented by the formulas :



where R₁ and R₂ are independently selected from CH₃, CSH₃ and C₂H₅; R₃ and R₄ are independently hydrogen and CH₃; and n is 0, 2, or 3; and

(ii) 1-amino-cyclopentane, and

(c) water constituting the balance amount.

(Compl. Specn. 24 Pages;

Drgs. 1 Sheet.)

Ind. Cl. : 133A, 206E

179092

Int. Cl.⁴ : H02J 3/00

A TWO-WIRE DIGITAL CURRENT CONTROL SIGNAL TRANSMISSION SYSTEM FOR PRECISELY CONTROLLING REMOTELY LOCATED STEPPER MOTOR.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

- (1) SUDHANSU MOHAN SHARMA,
- (2) HAUSILA SINGH,
- (3) BHARAT SINGH.

Application for Patent No. 333/Del/88 filed on 19-4-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A two wire digital current control signal transmission system for precisely controlling remotely located stepper motor comprises a microprocessor (1) having plurality of controllers for PID direction, step & ramp control, voltage to current converter (3) being connected to the microprocessor through a high or low voltage generator (2) which generates high or low amplitude digital current signal as and when the high or low voltage is generated by voltage generator, the voltage to current converter being connected to a direction detector (5) and to a logic pulse detector (6) situated proximately to the remotely located stepper motor (9), the direction detector (5) and logic pulse detector (6) being connected to logic sequence generator (7) which generates required sequence of pulses to drive the stepper motor, the sequence generator (7) being connected to a power drive circuit (8), the power drive circuit being connected to the stepper motor (9) such that the rotor of the motor moves in steps in the desired direction for each digital current transmitted over the two wire transmission system.

(Compl. Specn. 8 Pages;

Drgs. 1 Sheet.)

Ind. O. : 32E
Int. Cl.¹ : C08f, 12/08

" » 3

A PROCESS FOR THE PREPARATION OF AN INJECTABLE COPOLYMER FOR USE AS A CONTRACEPTIVE BY A MALE.

Applicant : SUJOY KUMAR GUHA, AN INDIAN NATIONAL OF INDIA INSTITUTE OF TECHNOLOGY, DELHI, HAUZ KHAS, NEW DELHI-110016.

Inventors : SUJOY KUMAR GUHA.

Application for Patent No. 908/Del/89 filed on 6-10-1989. Post dated to 6-10-1990.

Complete left after Provisional filed on 5-4-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of an injectable copolymer for use as a contraceptive by a male comprising copolymerizing styrene and maleic anhydride monomers to a polymer having molecular weight above 40,000 in the presence of nitrogen atmosphere in the ratio of 1 : 1 subjecting the polymerized product (Copolymer) to the step of irradiation, precipitating said copolymer and subjecting the same to the step of washing for the removal of traces of monomers and homopolymers, drying said copolymers and dissolving the same in a solvent in the amount of 40 to 70% by weight, filtering said solution and precipitating the filtrate, and washing and drying the precipitated copolymer so obtained for storing purposes,

(Prov. Specn. 5 Pages;

Drg. Sheet Nil.)

(Compl. Specn. 12 Pagw;

Drft. Shwt Nil)

Ind. Cl. : 170B, D

179094

Int. Cl.* : CUD-3/386, 7/42

LIQUID DETERGENT COMPOSITION CONTAINING ENZYME STABILIZATION SYSTEM.

Applicant : THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors :

- (1) FRANCESCO DE BIZZACARINI,
- (2) JEAN-POL BOUTIQUE,
- (3) CHRISTIAAN ARTHUR JACQUES KAMIEN THOEN.

Application for Patent No. 11/Del/90 filed on 4-1-1990. Conversion date 10-1-1989/U.K./S9-00525-O.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 12

An aqueous liquid detergent composition having a pH of at least 8.5 containing 5 to 60% by weight of an organic surfactant, a peroxygen compound, a detergent enzyme and optionally detergent additives, characterized in that the composition further comprising from 10 ppm to 10,000 ppm of magnesium ions and an enzyme stabilizing system.

(Compl. Specn. 20 Pages;

Drft. Sbct Nil.)

Ind. Cl. : 39 P
Int. Cl.¹ : C 01 G 3/10

A PROCESS FOR THE PREPARATION OF COPPER SULPHATE DIRECTLY FROM ITS SULPHIDE ORES/ CONCENTRATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

- (1) KULAMANT PARTDA,
- (2) SREEPADA BHANOJEE RAO.

Application for Patent No. 311/Del/90 filed on 27-03-90. Complete Left after Provisional Specification on 12-03-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the preparation of copper Sulphate directly from its sulphide ore/concentrates which comprises mixing powdered chalcocite ore/concentrate with manganese dioxide or naturally occurring manganese ore also in the powder form, slurryng the mixture with dilute H₂SO₄ heating the mixture at temperature not exceeding 100°C with continuous stirring for a period of 1 to 5 hrs filtering the resulting mixture having copper & manganese sulphate separating and recovering copper sulphates from the filtrate by conventional methods.

(Prov. Specn. 3 Pages;

Drg. Sheet Nil.)

(Compl. Specn. 6 Pages;

Drg. Sheet Nil.)

Ind. Cl. : 32 F

179096

Int. Cl.¹ : C08F 116/36, 216/36.

A PROCESS FOR THE SYNTHESIS OF (CO) POLYESTERS OF HYDROXYVALERIC ACID.

Applicant : MONSANTO COMPANY* A COMPANY INCORPORATED IN THE STATE OF DELAWARE, U.S.A., OF 800 NORTH LINDBERGH BOULEVARD, ST LOUIS MISSOURI 63167. UNITED STATES OF AMERICA,

Inventors :

- (1) AUSTAIR JAMES ANDERSON,
- (2) EDWIN ALFRED DA WES,
- (3) GEOFFERY WILLIAM HAYWOOD DAVID BYROM.

Application for Patent No. 404/DW/90 filed on 25-4-1990 Convention date 2-5-89/UK/890993.1, 4-10-89/UK/ 8922363.0.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the synthesis of (CO) polyester of hydroxyvaleric acid said copolyesters comprising hydroxybutyrate unit and hydroxy valerate units or polyhydroxyvalerate homopolymer which comprises accumulating such copolyesters by aerobically cultivating a bacterium of at least one strain of bacterium selected from the group consisting of Corynebacterium dioxydans ATCC 21766, Corynebacterium hydrocarboxydans ATCC 21767, Nocardia lucida NCIB 10980, Rhodococcus sp. ATCC 19070 and Rhodococcus sp. NODM 40126 having the characteristics of the kind such as herein described under growth limitation conditions in an aqueous medium comprising hydroxyvaleral substrate component wherein;

179Q95

the hydroxyvalerate component is in assimilable form compound metabolisable by Alcaligenes eutrophus NOB 11599 to polyhydroxybutyrate or valeric acid or a derivative thereof.

(Compl. Specn. 19 Pages;

Drg. Sheet Nil.)

Ind. Cl. : 72 A+C

179097

Int. Cl.¹ : C 06 B 21/00,

A METHOD AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF AN OIL/WATER EMULSION FOR USE IN AN EXPLOSIVE COMPOSITION.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Application for Patent No. M6/Del/90 filed on 29-05-90.

Convention Dnra : 16-06-81/8913871.I/UK

23-06-81/R/H5O7.2/UK

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A method for the continuous production of an oil/water emulsion for use in an explosive composition which method comprises continuously forming an emulsion by simultaneously and continuously mixing a continuous phase component of the kind as herein defined and an immiscible aqueous discontinuous phase component of the kind as herein defined by introducing the one to the other, wherein said step of continuously mixing comprises introducing a flowing liquid stream of the immiscible discontinuous phase component into said continuous phase as a turbulent jet by causing a constriction and disrupting said flowing liquid stream of said immiscible discontinuous phase to form a turbulent jet of fine droplets of a predetermined size and flow pattern and causing said turbulent jet of droplets to emerge from the constriction at a rate sufficient to entrain and mix with a sufficient quantity of flowing continuous phase component simultaneously delivered to a point at or near the emergent turbulent jet of fine droplets of the immiscible discontinuous phase in order to achieve instantaneous formation and stabilisation of an emulsion of said immiscible discontinuous phase fine droplets and said continuous phase, characterised in that said emulsion is subjected to a further step of mixing under shear for enhanced mixing of the emulsion to effect continuous incorporation of fuel phase to produce a more refined or homogeneous emulsion suitable for use as the basis for an explosive system,

(Compl. Specn. 12 Pages;

13ig. 2 Sheets.)

Ind. Cl. : 32F(2C)

179098

Int. Cl.¹ : C10M 149/22

"A PROCESS FOR PREPARING A LUBRICANT ADDITIVE,"

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BLVD, WICKLIFFE, OHIO 44092 U.S.A., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A.

Inventor : PAUL ERNEST ADAMS.

Application for Patent No. 510/Del/P0 filed on 29-5-1990.

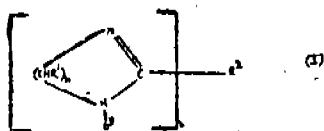
Ante dated to 27-3-1987.

Divisional to Patent No. 269/Del/87 filed on 27-3-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for preparing a lubricant additive comprising reacting; (A) a coupled iOlyiUnine of Lie foimulfi ;



wherein n is 2-7; R^a is hydrocarbyl such as hereinbefore described; R^b and each R^c independently is hydrogen, alkyl, (Y—NR^ahR^b), wherein X is 1 to 100, Y is alkylene of 1 to 7 carbon atoms or a heterocyclic nit¹Open containing cycloalkylene of 1 to 10 carbon atoms. R¹ is hydrogen, alkyl or NHBR^o (NR^aR^b)^y wherein R^o is an alkylene group of 1 to 10 carbon atoms R¹ is independently H, alkyl or R^b and y is 1 to 6, R² is hydrogen or hydrocarbyl or (I); and u is 2 to 6; and

(B), at least one hydrocarbyl carboxylic acid or derivative thereof or at least one hydric^arbyl phenolic reactant or mixture thereof.

(Complete Specification 29 Pages; Drawing Sheet Nil)

Ind. Cl. : 40H 179099
Int. Cl. : B01D, 15/08

'A PROCESS FOR REMOVING CO₂ AND OTHER ACID GASES FROM A NORMALLY GASEOUS MIXTURE.'

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA.

Inventors : LARRY JOSEPH SHULIK, GUIDO SARTORI, VINSON WINSTON HO, WARREN ALAN THALER, GEORGE ELMER MILLIMAN,

Application for patent No, 572/Del/90 filed on 13-6-1990.

Ante dated to 9-44987.

Divisional to Patent No. 300/Del/97 filed on 9-44987.

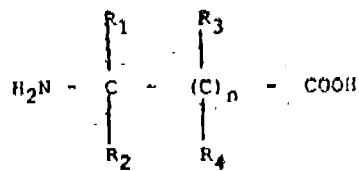
Appropriate office/ for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for removing CO₂ and other acid gases from a normally gaseous mixture, which process comprises :

- (a) contacting the normally gaseous mixture under conventional absorption conditions with an aqueous scrubbing solution and
- (b) desorbing at least a portion of the absorbed CO₂ from the solution wherein said aqueous scrubbing solution comprises
 - (i) from 20 to 40% by wt, of one or more alkali metal salts;
 - (ii) from 2 to 15% by wt. of an amino compound selected from

(a) a primary terically hundred aminoacid represented by this formula



wherein R₁ and R₂ are independently selected from CH₃, C₂H₅, and OH; R₃ and R₄ are independently hydrogen and CH₃; and n is 0, 2, or 3; and

(b) l-amino- cyclopentane;

(III) water, constituting of the balance amount.

(Complete Specification 26 Pages; Drawing Sheet 1)

Ind. Cl. : 143 DiD* 179100

Int. Cl.¹ : B65B 29/00

"A PACKING ARTICLE."

Applicant : EMC-TAMACO A/S, A DANISH BODY CORPORATE, OF JENS JUULSVEJ 13, DK-8260 VIBY J. DENMARK.

Inventors : FLEMMING KROMAN, ERIK MADSEN.

Application for Patent No, S\$1/Del/90 filed on 14-6-1990.

Ante dated to 1-6-1987.

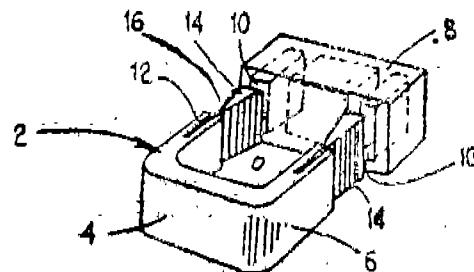
Divisional to Patent No. 464/Del/S7 filed on 1-6-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A packing article comprising a bag or hose shaped sheet packing material which is closed at least at one end by an annular non-metallic binder (2) clamped about a constriction (18) of the material wherein the binder comprises two opposed clamping portions (48) and opposed connector portions (6) therebetween, the clamping portion being arranged so as to face each other with substantially flat, smooth and parallel surfaces, the clamping portions (4, 8) being held by said connector portions (6) so as to firmly clamp the constriction (18) in a configuration, by which the cross sectional dimension of the constriction normal to the said surfaces is noticeably smaller than the width dimension of the constriction.

FIG. 1



(Complete Specification 30 Pages; Drawing Sheets 3)

Ind. Q. : 206 E

179X01

Int. Cl. : H 04 B 7/26

"A TELECOMMUNICATIONS SYSTEM."

Applicant : TELSTRA CORPORATION LIMITED, OF 242 EXHIBITION STREET, MELBOURNE 3000, VICTORIA, AUSTRALIA.

Inventors : 1. ANDREW LOUIS MARTIN 2. NORMAN WILLIAM MCLEOD,

Application No. 542/Cal/1992 filed on 30th July, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta,

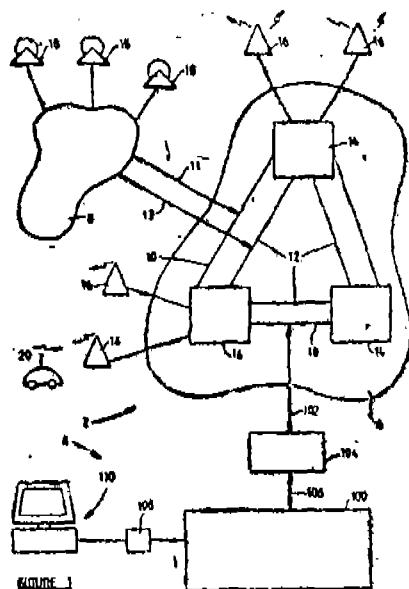
13 Claim*

Apparatus for use with a telecommunications system including a radio telephone which, upon a call being initiated from said radio telephone, transmits first data which is indicative of a characteristic unique to said radio telephone, and at least one exchange which receives said first data transmitted from the radio telephone and apparatus including means for determining membership of said radio telephone to a controlled group on the basis of the received first data and forwarding signalling data to a call processing mean* if said radio telephone is a member of the controlled group, the call processing mean* comprising ;

stored control data corresponding to members of said controlled group;

accessing means for accessing the control data corresponding to said radio telephone on the basis of the received signalling data; and

control means to control at least one characteristic of the call in accordance with said control data,



(Compl. Specn. : 29 pages;

Drgns. : 8 Sheets)

Q. : 164 C+201 D

179102

Int. Q. : C 02 F 1/72

"A METHOD FOR PREPARING A NON-CORROSIVE LIQUID WASTE SUCH AS A WASTEWATER."

"A METHOD FOR PREPARING A NON-CORROSIVE SYSTEMS, INC. OF 301 WEST MILITARY ROAD ROTHSCHILD, WISCONSIN 54474 UNITED STATES OF AMERICA.

Inventors : 1. MARK ALLEN CLARK 2. DAVID ALAN BEULA,

Application No. 643/Cal/1992 filed on 4th September, 1992.

Appropriate office for opposition proceeding! (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

S Claims

A method for preparing non-corrosive liquid waste such as waste water comprising mixing liquid waste with a pressurized oxygen-containing gas to form a feed mixture, subjecting said feed mixture to wet oxidation at elevated temperature by passing it through a system comprising an influent conduit, a first heat exchange means, a reactor vessel, a second heat exchange means and an effluent conduit, characterized in that an acid or alkali is added to said feed liquid waste until the pH in the system is within a selected pH operating range (2-11) depending on the nature of materials used in machinery in which corrosion of the system is minimized.

(Compl. Specn. 12 pages:

Drgns. 2 Sheets)

Cl. : 89

179103

Int. Cl.* : G 01 B 5/02, 5/18

"CLAMPING ASSEMBLY FOR MEASURING INSTRUMENT."

Applicant : MITUTOYO CORPORATION, OF 31-19, SHIBA 5-CHOME MINATO-KU, TOKYO, JAPAN.

Inventors : 1. SHINGO NISHINA 2. TAMIO SUZUKI 3. KAZUHIKO KIMURA.

Application No. S>03/Cal/1992 filed on 17th December, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta,

9 Claims

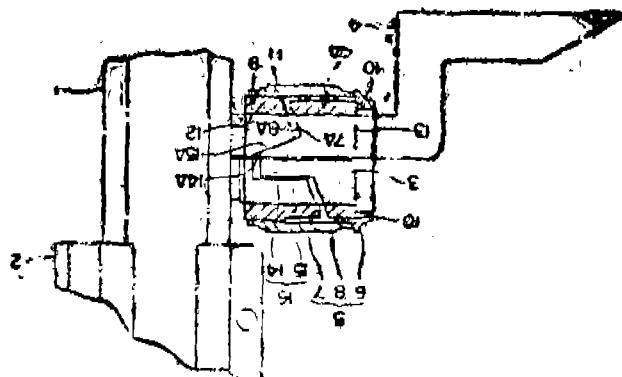
A clamping assembly (5) for securing a probe (4) to a part (3) of a measuring instrument comprising :

a clamp holder (7) of cylindrical shape provided with a male screw (11) on its outer periphery and an insertion hole (12) extending through and a clamp holder for insertion of said probe and said part of said measuring instrument;

a piece clamp (8) having an insertion hole (13) extending therethrough for insertion of said probe and said part of said measuring instrument;

- a nut clamp (6) having therein a female screw (9) matching with said male screw (11) of said clamp holder, and provided with a connection part (10) for moving said piece clamp axially on screwing said nut clamp into said clamp holder; and

guide means (14, 15) for moving said piece clamp at right angle to the central axis of said clamp holder on movement of said piece clamp by said nut clamp.



(Compl. Specn. : 14 Pages;

Drgns. : 8 Sheets)

OJ : 108 Bi

mi(M

Cl- l 201 A

179103

In(Cl.¹ ; C 22 R 5/H

"A PROCESS >OR PRODUCING REDUCED FINE-GRAIN IRON OXIDE MATERIAL."

Applicant : METALLGESELLSCRAFT AKTIENGESELLSCHAFT, OF RJ2UTKRWEG 14, D-6000, FRANKFURT AM MAIN, GERMANY.

Invenfoi : FRIT/ ROSE.

ApplicHion No. 16/CH1/1993 filed on 12th January, 1953.

Appropriate Office for Opposition Proceedingi (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

9 Claims

A process for producing reduced flue—grain iron oxide material by a treatment with a gas under pressure In a series Of connected fluidized bed reactors which includes at least* a first fluidized bed reactor into which a reducing gas Is fed anta last fluidized bed reactor downstream of the first fluidized bed reactor in the direction of the gas flow into which the fine Brained iron oxide-containing materials are fed, comprising the steps of :

- (a) cracking hydrocarbons by steam reforming to produce B fresh reducing gas containing CO and He;
- (b) feeding a reducing gas to a first of said fluidized bed reactors as a fluidizing gas to obtain a gaseous effluent containing dust;
- (c) dedusting the gaseous effluent containing dust from said first fluidized bed reactor and then feeding the deducted gaseous effluent to a fluidizing gas to at least one farther fluidized bed reactor above the nozzle bottom thereof, In said series downstream of the first fluidized bed to obtain a gaseous effluent containing dust CO₂ and H₂O;
- (d) dedusting a gaseous effluent containing dust, CO₂, and H₂O from a last of said series of connected fluidized bed reactors in said series downstream of the first and any other fluidized beds and subsequently treating said deducted gaseous effluent containing CO₂ and H₂O from said last reactor In a scrubber-cooler to remove substantially all H₂O and any residual dust and subsequently treating said H₂O removed gaseous effluent in a CO₂- removing scrubber to remove substantially all CO₂;
- (e) reheating aid gas wherein residual dust and substantial all FeO and CO₂ are removed and recycling the reheated gas as a recycle gas and feeding said recycle gas to fluidizing gas according to step (b) into the first of "said fluidized bed reactors;
- (f) preheating the iron oxide-containing materials and feeding preheated iron oxide-containing materials to the last of said fluidized bed reactors, the reduction temperature range is 600—900°C; and
- (g) feeding the fresh reducing gas produced in step (a) to at least one of said fluidized bed reactors.

Int. Cl. : C02 F 1/72!

"PROCESS FOR TREATING A CONCENTRATED WASTE WATER IN A FLUIDIZED OXYGEN CONTENT GAS WET OXIDATION SYSTEM."

Applicant : JMK PASSAVANT ENVIRONMENTAL SYSTEMS, INC, OF 301 WEST MURRAY ROAD, ROTHSCHEIL, WISCONSIN 51174 UNITED STATES OF AMERICA.

Inventors : 1. J. BRUCE LEE RENDINEUR.G,
2. RICHARD WILLIAM LEHMANN,
3. GENE WALTER MUELLER,
4. KENNETH PAUL KECKLER.

ApplicHion No. 153/Cal/19S>3 filed on 15th March, 1993.

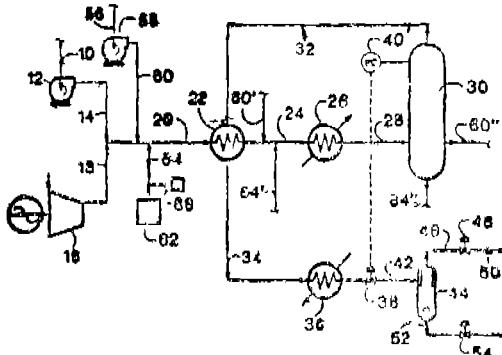
Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

7 Clitiing

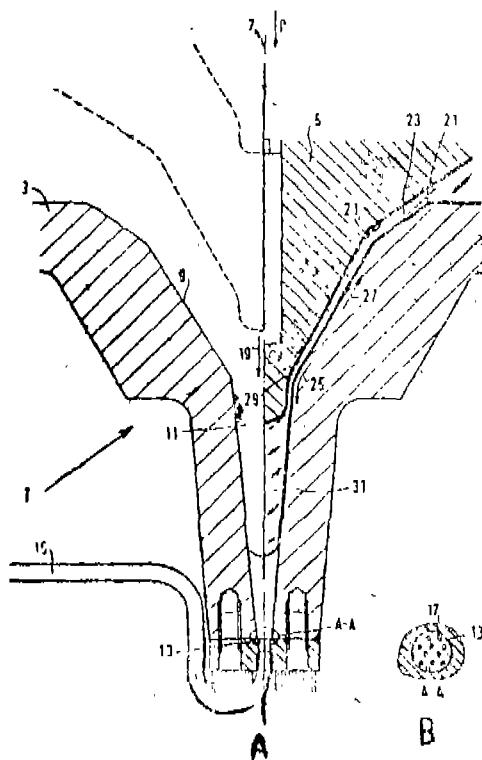
A process for treating a concentrated wastewater in a high oxygen content gas wet oxidation system, to separate the wastewater into an oxidized liquid phase effluent and a non-condensed off gas phase, by subjecting in the said system the condensed wastewater in pressurized liquid and gaseous phases, to mixing, heating, causing the same to flow through a reactor vessel, cooling thereof and to separation, prior to the said separation, comprising the following steps :

- (a) establishing a flow of startup water and air through said wet oxidation system at a first elevated operating temperature such as herein described, and a selected elevated system pressure;
- (b) commencing a fractional flow of wastewater and a fractional flow of high oxygen content gas to initiate wet oxidation;
- (c) increasing the flow of wastewater and the flow of high oxygen content gas to said system while simultaneously decreasing by corresponding amount the flow of startup water and the flow of air to said system to produce an increase in said system operating temperature such as herein described and to maintain offgas phase residual oxygen concentration within a selected value range; and
- (d) repeating step (c) until said flow of startup water and said flow of air to said system decrease to zero or to a selected non-zero value, and said flow of wastewater and said flow of high oxygen content gas to said system increase to about 100 per cent of selected operating flows, and said wet oxidation system attains a second selected elevated operating temperature such as herein described, greater than said first elevated operating

temperature such as herein described, while maintaining said offgas phase residual oxygen concentration within said selected value range, whereby afo and controlled start up of the high **c*ygcu** content **gas** wot oxidation »yatem **h** capable of being performed.



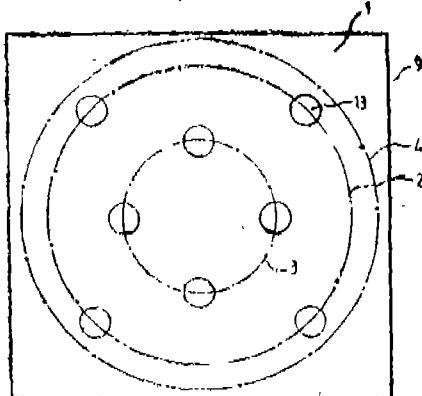
during moulding (step b) the hollow cone, MI escape space is formed underneath the parison of viscous material in the vicinity of the cone lip to be formed, and said parison of viscous material is prevented from entering said escape space until a flow pressure of said viscous material exceeds a value of force between 3 and 100 bar, depending on the size of the cone to be moulded and the wall thickness of the cone in the vicinity of the cone tip to be formed, applied to said escape space.



8 Claims

A connector for high - speed networks of the voice and data transmission (CDDI Connector) in the distribution Mid connection box urea and comprising contacts, characterized by that the contacts (13) are arranged "on an inner circle (3) and on a middle circle (2) and a tube-type shielding (4) Is disposed on the outer circL.

FIG.1



Compl. Specn : 5 pages

Drawns : 1 sheet.

Cl. : 32 F 2 (a)

179110

Int. Cl. : C 07 C 153/05
C 07 D 261/08

A PROCESS FOR THE PREPARATION OF AN ALIPHATIC THIOAMIDE.

Applicant : FINE ORGANICS LTD, OF SEAL SANDS, MIDDLESBROUGH, CLEVELAND TS2 1UB, ENGLAND.

Inventors : 1. ARTHUR JACKSON
2. GRAHAM HEYCS
3. DAVID HOLMES
i. ORAIG MORGAN.

Application No. 882/Cal/1995 filed on 31st July, 1995.

(Convention No. 9416364 on 12-8-94 in U.K.) •

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A process for the preparation of an aliphatic thioamide of the general formula

Rj R., R. C. CS. N H

wherein the symbol Ri denotes n hydrogen atom, an alkyl radical containing from 1 to 5 carbon atoms or an aryl radical and the symbols Rs and JRH each denotes a hydrogen atom or an alkyl radical containing from 1 to 5 carbon atoms, comprising the steps of reacting a nitrile compound of the general formula.

K'Ri R₃ C-CN,

wherein the symbols Ri, Ra' and Rs have the foregoing meanings, with 10 to 300 mole per cent of hydrogen sulphide, based on the quantity of nitrile compound, in the presence of 10 to 100 mole percent, based on the quantity of nitrile compound of an aliphatic smlne of the general trnmul;;.

R, R_tR₂N,

wherein the symbol Ri denotes nn alkyl radical containing from 1 to 5 carbon atoms and the symbols Rn and Rs each denotes a hydrogen atom or an alkyl radical containing from 1 to 5 carbon atoms, in a water-miscible polar solvent, at a temperature between ambient temperature and SO'C, and separating the aliphatic thioamide so obtained from the reaction mixture.

Compl. Specn. 12 pages

Drtli. : Nil

OPPOSITION PROCEEDINGS

An Oppositon entered by M/s. Godrej Soaps Limited, Bombay to the grant of a patent Application No. 173327 (1012/Del/89) has been allowed and the application for patent is refuXeti.

An Opposition entered by M/s. Godrej Soaps Limited, Bombay to the grant of a patent to the Application No. 173328 (1014/Del/89) has been allowed and the applic&tion for patent has been refused.

RENEWAL FEES PAID

175215 174916 173854 175290 169013 170309 170842 175973
176514 173264 160226 162744 166742 167867 169555 171699-
172359 172713 173282 173663 174418 174691 175774 175830
175942 176041 176075 176352 177096 177202 177203 177322
177328 177330 177351 177332 177333 177335 177347 17733»
177355 175585 175624 17565; 175765 176233 175648 175649
175625 164699 165798 166387 166338 168971 174838 165377
166886.

PATENT SEALHD ON 25-7-97

177192 177433 177434 177437 J77446 177455 177471*
177472 177473* 177474 177475 177476 177478 177479
177480* 177481 177482 177485 177489* 177491 177492
177493 177494 177495" 177496] 77500.

CAL-23, MUM-NIL, DEL-03, CHEN-NIL.

Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" under Section 87 of the Patent Act, 1970 from the date of expiration of three year horn the date of *alin0.

COMMERCIAL WORKING OF PATENTED INVENTIONS

CHEMICAL ENG. INDUSTRY LIST NO. 1

The following Patents in the field of Chemical Engineering Industry are not being commercially worked In India as admitted by Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calender Year 1995. eonw^{31y} on account of want of request for licences to work the Patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose.

Patent No.	Date of Patent	Name & Address of Patentee	Title of Inventions
T	2	3	
167182	14-3-1986	AE Pic, of C»suston House Cawston Rugby, Warwickshire-CV 225A, England..	A composition for a plain bearing in,,icri; 1.
167454	22-5-1986	Do.	A process for the production of an ^UiTnni- um-ba&jd bearing ajoy.
i 63215	17-5-1984	Asarco incorporated 120 Broadway, New York State of New York U.S.A.	Method for (he electrolytic refi'ing of cT" Per using thiouro as addition agent.
164522	11-6-1985	Do.	Gas burner.
161982	14-11-1983	Australia Osytrol systems Pty. Ltd., of 85, Woodstreet, Eaglehawk, Victoria, 35,56 Australia.	Oxygen probes suitable for detecting U- oxygen content of aa atmosphere.
170957	30-1-1990	Aziendo Chimiche, Riunite Angelini, Fj-au^co A.C.,R.A.F. S.P.A., of vial, Amelia *70008 Italy.	Process for preparing ethers of l-bcii/yl-3- hydro/y-hydroxycadds.
157882	1-8-3-1982	Bergworfeverband, GmbH Franz-Fischer-wee, 61,4200, Bssc 13, West Germany.	Method for the production of H2 and ccin- taJnijj g^ses.
J69600	3-6-1988	Bethlehem steel COrporati, of 701, East Third. St. Rathlehem, Pennsylvania.] 801 b, V.S.	Method for the production of coogrcie V^c solid material by chemical atabilizajion ol' heavy metal bearing dust and .sluJg:, fn-.di E.A.F. dust.
163382	1-4-1987	Burden Inc. of 180, East, Bfoad ST coumbos, Ohio-43215 USA.	Raw butch carbonaceous composition l>r Use in making shapud self sustaining article.
168678	1-4-1989	Do.	A composition useful ^s a tumping and rartrnlng composition for use in monolithic shape construction.
168079	I-W987	Do.	A process for making a body that cm be phi'lyved to form a carboni/^J sbaiv.
162093	30-10-1984	BP Chemicals Limited B,ograv, House, 76 Buckingham Palace Road, London SW1W OSU England.	A liquid pha _s e process for the c^tionje pojyinerization oi'l-olch"r _{IS} .
1\$547	29-11-1987	Do.	A process for the Produc'don of an atiJijiv^ concentrate suitable for in corpoation into finished lubrication oil composition.
171503	26-5-19SS	British-American, Tobacco Co Ltd, of P.O. Box 482, west minister House, 7, Mfflbank London, SW1P, SMB.	A method of making a tobacco smoke Gliw clement.
164028	20-3-1985	British steel Pic, 33, GrosVonor Place, London S.W.I. England.	A method of rofioing raetal .
167089	26-2-1986	DO,	A method of iron making by means of a aincl- tlOB shaft fUmftoe.

r	2	3	4
159460	19-4-1983	Centre stephanois De Recherches Mecaniques Hydro-Mecanique Et, Frottement, Rue Bonoit Fourneyron, Andrezieux Routheon, Loire France.	A process for treating ferrous metal posts containing free or combined sulphur in their surface layers.
160803	4-M983	D.J.	Method of depositing a layer of extremely hard chromium a substrates.
163415	18-3-1985	Do.	Process for manufacture of ferrous metal parts having improved corrosion resistance.
171804	31-J-1989	China Petrochemical Corpn. 24 Xiaoguan, Street Anai RetJng Peop. ReP. of China, & Research Institutes of Beijing Y»nshan petrochemical Corpn 9 Ronghuanting Road, yanshan District Beijing P.R.China.	A process for preparing a silver containing catalyst fo, the production of ethyl«ne oxWe.
159600	21-3-1984	Chuo kanaku, Co. Ltd 5-1, 3-chome, Miyajl, Kounosu-shi saitama-kcn, Japan,	A process for producing a resin foam by aqueous medium.
165902	9-7-1986	Colortech Inc, 8011 Di*je Road Brampton, Ontario, Canada-L & T 3 VI,	Method and apparatus for forming extruded products-
168554	28-10-1986	Commonwealth Scientific Industrial, Research Organisation, Australia,	Composite ' electrode materials for use electrolyte device and solid e'lectrod indicating said electrode'
154752	44-1982	Council of Scientific & Industrial Research (CSIR), Rafl Marg New Delhi-110001 India,	An improved process for the extraction of metal values of copper, lead and zinc from sulphur ores or ores concentrates.
156026	30-6-1982-	Do.	An improved process for the electrolytic deposition of coppertin alloys from cyanide b'aths on metal substrates.
157059	30-12-1982	Do.	Improvements in or relating to lithium manganese dioxide nonaqueous button cells.
1570SO	30-12-1982	Do.	An improved high build anticorrosive paint composition for use in marine environments.
157110	7-1-1983	Do.	A process for the preparation of precipitated calcium carbonate from carbide lime sludge.
157439	17-2-1983	Do.	An irnpoved process for the dectrodepojj-, tiou of lead dioxide on titanium substrates.
157565	23-1-1982	Do.	A Process for the preparation of indolible ink for making a permanent mark on a substrate.
J57865	25-6-1983	Do.	Process for the preparation of plasticizer material for use in plastic industry.
158085	25-6-1982	Do.	An improved process for th, preparation of ttabld manganous oxide (MnO).
158254	7-1-1982	Do.	Process for preparation of a catalyst composite material.
158255	19-1-1982	Do.	An improved process for the catalytic alkyiation of benzine to ethylbenzen.
J58331	19-5-1982	Do.	A process for the recovery of lead and zinc values from moors cake.
158462	23-J0-1982	Do.	A process for the preparation of catalyst for isomerisation of alkyl aromatic compounds.
IJ8655	26-11-1983	Do.	Improvements in or relating to the préparation of lithium tctra chloronlurainate.

1	2	3	4
158837	25-3-1982	Council of Scientific & Industrial Research <CSIR> Raft Marg, ^w Dllhi-11001, India.	Aft improved liquid fuel burner used in oil pred furnaces;
158975	24-7-1982	Do.	Process for the preparation of Diosgeniti anti'Sera for use In th ₀ determination of dio- genin in a plant material.
158991)	29-11-83	Do.	Improvements in or rotating to a process for the extract or of copper lead and zinc metal valves from complex sulphide ores concentrates
159041	17-3-83	Do.	Process for th? preparation of improved ctalonic fat liquor from vegetable oil.
159164	2-6-83	Do.	Process for the catalytic conversion of motho- nol to hydrocarbon mainly oleflns.
159186	18-5-84	Do.	An improved process fom the preparation of a metal sulphate.
159406	2-2-83	Do.	A catalytic process for tho conversion of matanol to oleflns rich hydrocarbons.
159407	22-2-83	Do.	A process for the preparation of composable catalyst material.
1594i2	23-3-84	Do.	An improved flux composition.
159S81	1Q-6T83	DO.	An Improved burner for use with fluid fules.
159964	30-9-84	Do.	Piocess for the manufacture of pyrochor (actviated carton) from waste materials.
160197	23-10-82	Do.	A catalytic process for the isomerisation of nlkyl aromatic compounds.
160274	27-5-85	Do.	Improvements in or relating to the prepare- toinof ater borne self curing xinosWcate coatings.
160279	25-1-85	Do.	A process for the preparation of a catalyst useful for the selfctive conversion af ethy- lene into aromatic hydrocarbons containing 6 to 8 carbon atoms.
160155	26-9-84	Do.	An improved process for the preparation of aluminium or aluminium alloys.
160403	2-5-84	Do.	An Improved process for the treatment of cori/co r products to make them flre/flamo retardant and colr/coir products so treated.
160479	18-3-85	Do.	An improved process for tho extraction of copper, nickel and cobalt metal valves front deep sea manganese nodules.
160520	10-12-84	Do.	A process for the extraction of cobalt, nickel/ and copper from copper converter slags with ammonium sulphate roasting at low tempe- ratures.
160535	10-12-84	Do.	A process for the extraction of copper nickel/ and cobalt m<tal values from manganese seal nodules.
160536	10-12-84	Do.	A process for the extraction of copper, nickel and cobalt metal values from sea bed manganese nodules .

1	2	3	4
u<v_s	??*/ S5	Council of Scientific & Industrial Research (CSIR), Raft Matf, Now Dolhi-110001, India.	A process for the extraction of Garcinia hy- profyeitic acid and ethocyanine which are useful in food Industry as colouring additive from kokuru plant (Garcinia India)
150751	16-5-86	Do	An inhibitor composition for protection of mettlu alloys from sia watev
160756	25-1-85	Do	Process for the preparation of new catalyst composite material useful for the converstion of alkanols to hydrocarbons.
160830	14-1-85	Do	improvements in or relating to the process for sulphonatlon of high polymers to cation-exchange material!).
1<WTO	14-10-83	Do.	A process for the preparation of thicker material from the plant Utss polyantha tot use In the toxllo printing Industry.
1617.71	J6-4*85	no	A proows for the preparation- of rigid pol^- vinylchloride and polyacry lates alloys
10U11	18-7-85	Do.	An Improved process for the preparation of manganese sulphate
161457	13-8-84	Do	A process for the preparation of a compo- sition useful for coating rusted surface.
161570	25-12-84	Do.	An improved procais for the recovery of metallic copper from copper converter slag or any other oxidised copper bearing mate- rial.
101512	4-7-84	Do.	An improved process for the preparation of sym-N N-dlsubtlmed dlaryl urn com- pounds,
W1644	9-7-R4	Do.	An Improved procasi tor tlw noovtry of lead from a complea sulphide ores concen- trate.
161649	23-3-85	Do.	A process for the recovery of silver from waste hypo solutions available from photo- graphic Industries.
162243	<M2-8;>	DO.	A process for tho preparation of alumina bated niekri catayits,
162097	5-3-85	Do.	An Improved process for the extiction of copper from chalco^yrlo concentrate through bacterial leaching technique.
162243	9-12-R5	Do.	Ga< sparger for exothermic gaa solid ienc- tions..
162^7	10-12-84	DO-	A process for the preparation of a noncor- rosivo flux for soft soldering of copper and copper baad alloys.
162451	'S-I2-S5	DO	An improved process for extraction of cop- per nickel and cobalt from deep sea manga- nes nodules by aramonfeal leaching
1v1401	30-1-85	Do.	A process for the preparation of lire resistant costing material
16249^	3M-RS	Do	An impaver furnace for use with paniculate fuels.

1	2	3	4
162504	4-10-1985	Council of Scientific & Industrial Research, (CSIR), Rani Marg, New Delhi-1 10001, India.	An improved process for the preparation of purified colloidal graphite having 0.1 - 02 micron particle size.
162522	5-12-1985	Do	An improved process for the preparation of letvabromobisphenol-A.
16291i	6-5-1985	Dn.	A process for the simultaneous preparation of sodium vanadate and zeolite by the thermal treatment of vanadium sludge,
163054	22-7-1985	Do.	Improvements in or relating to the preparation of epoxy polyamide titanium dioxide point for irradiation resistant coatings,
163187	30-1-1985	Do.	Process for the conversion of methanol to olefins.
16358K	,3-3-1985	Do.	An improved process for production of fluid pumpable non-settling concentrated water based slurry fuel
163677	15-5-1985,	Do.	A process for the removal of tarnished film from the surface of articles of silver, copper and their respective alloys.
161713	.11-7-1985	Do,	A process for the preparation of an inhibitor suitable for pickling of steel pipes/structures in hydrochloric Acid.
163810	31-7-1985	Do.	A process for the separation of sterols derived products of 225, 235 and 22R, 23R-isomers of 22, 23-Dihydroxy-24-S-ethyl-30c-5-cyclo-52 cholestan-6-Ones from phytosterols of sugarcane wax.
163832	1-7-1985	Do.	Process for the preparation of predominantly cationic basic titanium tanning extract for use as a tanning material.
163842	16-7-1986	Do.	Process for the removal of impurities from sea salt and sub soil brine &U by floatation technique.
164270	,10-12-108.1	Do.	Improvements in or relating to a process for the preparation of corrosion inhibitors suitable for prevention of metallic corrosion and scale formation in system using different grades of water.
164271	31-12-1985	Do,	Process for the preparation of a stabilizer to inhibit autocatalytic decomposition of hydrogen peroxide added in pickling baths of copper and copper-based alloys.
164274	31-10-1985	Do.	An improved process for the extraction of nickel from lateritic nickel ores.
164411	1-2-1986	Dn.	A process for the production of stabilized oil-water slurry useful as substitute for Petroleum based fuel oil.
164415	31-7-1985	Do.	A process for preparing transparent sheets for document copying purposes and transparent sheets so prepared.
164416	2-84985	Do.	A process for the preparation of novel lanthanum iron silicates designated as encelite-2.

• I	2	3	4
164457	6-3-1986	Co.incl of Scientific & Industrial Research, CCSIfi) Rafl Mftrg,NewDelhi-11000, India.	An improved process for the prePr ^a tion of stable anionic fat liquors based on glyceride oils having iodine values less than 100,
164459	30-6-1986	Do.	A process for the production of kerosene from light olefins.
164487	25-3-1986	Do.	An improved process for refining of alumini- um A it's alloys.
164581	23-7-1986	Do.	A process for the preparation of a new alu- minium based alloy e^odc for c ^a thodic pro- tection of structures submerged both in gaIne and fresh- vaters.
J 64652	29-10-19R6	Do.	A process for the preparation of zinc rich primer based on alkyl silicate for corrosion protection of steel
164654	16-649S6	Do.	An improved pfQcess for diffusion aiu_mini- sing of shaped articles of low carbon steel and low alloy steel-
164706	14-10-1985	Do.	An improved alkaline primary battery cell.
164775	31-12-198^	Do.	A process for preparing polymer bonded clay useful for surface treatment water proofing and moth proofing of articles.
164964	30-8-1985	Do.	An improved process for the extraction of vanadium Pcntoxide from vapadium bearing titaniforous magnates or any other van- adium bearing material.
164973	1-1-1987	Do.	A process for the production of pure silica and oxalic acid from paddy husk.
16S431	12 8-1986	D6.	A process for the manufacture of submicron gate gas mestets using contact photo lithography.
165433	31-10-1985	Do.	A process for production of electrolytic manganese dioxide along with activated manganese dioxide as a by product from material manganese ore?.
'165506	1S-7-1985	Do.	Improvements in or relating to a process for the preparation of an inliabitor suitable for batbom & continuous picking of steels in hydro chloric aoid solution.
165.M0	12-2-1987	Do.	A process for the preparation of nitro potaisic fertilizers and technical grade potassium nitrate from mixed salt.
165530	"t-U-1985	Do..	An improved process f.r the production of high resiitvity an orphons hydrogenated silicon films.
165726	12-2-1987	Do.	A process for the production of ammonia by photo catalytic reduction of molecular nitrogen.
165763	31-7-1983	Do.	Improvement ia the preparation of pharma- ceutical formulations in the form of suspen- sions.

1	2	3	4
165920	11-12-1936	Council of Scientific & Industrial Research (CSIR) Rjfl Marg, New Delhi-110001, India	A process for the preparation of low molecular weight xyknuso from cl^na strain.
165976	16-6-1986	Do.	A method of production of hydrogen from biological wwtes.
165977	11-8-1987	Do.	Improved electrolytic coll for tho produc- tion of calcium gluconate.
166149	25-3-1986	Do.	Process tbr the preparation of crysialine alumino-phosphate catalysts,
166181	5-5-1987	Do.	An improved process for preparation of-2, bromo-11-phenylethanol.
166284	31-3-1986	Do.	A process for the preparation of collagen derivatives from rejected and poor quality hiaes and skin useful for incorporation in cosmetic formulations.
166411	20-9-1985	Do.	Improvements in or rotati'ng to a pm^ss fo the preparation of ceramic magnuts
166439	2M1-1987	Do.	A process for the manufaciud of red mud • filled PVC, composite material.
166491	24-11,1987	Do.	A process for the preparation of now ceramic membrane for witer filteratinns.
166666	13-8-1986	Do.	A process for tht preparation of an hydrous [ron £IC sulphate.
166734	25-J-1966	Do.	Improved process for tho production of trichlorosilanc (TCSj from silicon tetrachloride.
166826	. 17-6-1986	Do.	A process for the preparation of wife, ,Hs- persable moloinisod fatty derivatives for incorporation in' tanned leathers for impart- ing water icplelloucy.
166830	24-12-1986	Do.	A process for tho earidnient of silica in commercial sodium silicate solutions.
167019	17-70-1986	Do.	An imptovel prwss for the iYianuficlure of high sensitivity thwmiutoirs.
167037	13-8-1986	Do,	A pruccis for the picparatio.) of putc higli bulk density iron oxide.
167305	21-4-198;	Do.	An improved process for the production of alumina from low grade and subnurgnal bauxite.
167309	12-6-1980	Do.	A process for dojulphm Nation <f high sulphur coal.
167482	:5-4-1986	Do.	A process lor tho recovery of nickel and cobalt from copper converter slag or their oxidic ores.
167848	1-7-1986	Do.	An improved process for cold pell•fixation of come oro line and concentrate>.
167630	22-2-1988	Do.	A process for the preimrat ion o ^r soft-Acrylic emulsion for use as binder for leather finished.

1	2	3	4
167668	22-2-1988	Council of Scientific & Industrial Research, (CSIR Rill M'.rg, New Djlhi-Meo.il, India	An improved process for oleotrol's nickel coating cutting tools dies >nd moulds.
167684	19-1-1987	Dn.	An improved process for the soloed vo hydro- formylation of aliphatic olifins to corres- ponding linetir aldehydes.
1d77J4	24-3-1987	Do.	An improved pioess foi' lie production of high alumina cement clinkers and the like containing alumina ranging' from 45 to 80 percent.
167738	18-9-1987	DO.	A projsisforthe preparation of an enzyme B-galactOsida.se useful for reducing the content of la,tose in lagtosc containing products lk<? milk, whey and otlier dairy Produce.
167839	7-lo-1986	Do.	An impro Ved process for the production of highly de"sc sinters of dolomite magn- site oaicrlc it mixtures thsi'eof.
167936	S-I 2J 986	Do.	Lubricating oil composition for twoitrok petrol engine.
167996	29-10-198b	Do.	A process for direct olectrowining of lead metal from galena co'nce'Urates.
168135	26-9-1986	Do.	An improved process fo,r the production of alkali soluble humic acid and ammoniums.ilt thereof from low r.ink coal whaihred cooler bifinitc through solid gas reMor.
168140	24-I2-19K6	Do.	A process for theco.vd-actiojof metal values from deep se ^a polym,tailic nodules by direct reduction amnioni a laching.
168294	2-9-1986	Do.	Process for (he manufacture of aluminium ajoy silica sand composite for brake liner and enB'neering applications.
168346	7-9-1987	Do.	improved process for ihe manufacture o erythrosine/erosin from Huorescin.
168377	3-6-1986	Do.	An improved process for the manufacture of sintered synthetic hi,h alumina augr<!Jtc-
168399	10-2-19H9	Do	A process for the preparation of a high Silica zoolito of Pcntasii family from paddy hiiskajh.
168413	1-6-19SH	Do.	Improved method for the Piepmition of alkyal resin ha,sed water thinable aj, drying paint.
168451	2-6-1987	Do.	A process for the preparation of polyphenyl- ene oxid-, as an alherent film on meta^ic substarces.
168728	10-2-1989	Do.	An improved process for the production of cloleontil from the roots of the plant colcus forskohlit brig (Syn. e bargatas).
168794	2442-1986	Do.	An improved process for the phosphosuiph- date,d jojoba oil useful ^s multifunctional additives tor lubricating' oil.

1	2	3	4
16912^	6-3-1986	Council of Scientific & Industrial Research, New Dehli	A process for the preparation of catalysed oxygen scavengers suitable for removal of dissolved oxygen in water.
169137	6-3-1986	Do.	A process for the preparation of catalysed oxygen scavengers suitable for removal of dissolved oxygen in water.
169140	11-8-1987	Do.	A process for the production of compacted graphite iron.
169172	28-4-1988	Do.	A process for the manufacture of bronze coloured sheet glass.
169189	14-3-1989	Do.	A process for the preparation of high flux manganite from the blend of formulation of cellulose acetate and cellulose triacetate useful for the desalination of brackish water by reverse osmosis process.
169191	18-3-1987	Do.	A process for the preparation of clay loaded metal corundum catalyst useful for the hydrogenation of oils and other unsaturated compounds.
169279	29-11-1985	Do.	A process for the preparation of dioxygen complex of ruthenium useful for photocatalytic decomposition of water into hydrogen and oxygen.
169371	6.3.1986	Do.	A process for the preparation of clay loaded metal corundum catalyst useful for the hydrogenation of oils and other unsaturated compounds.
[69373]	23-10-1986	Do.	A process for the production of chromite coke composite briquettes.
169375	5-12-86		An improved process for magnetite chromite ore fines anil concentrates.
169502	31-12-86	Do.	A process for the photocatalytic decomposition of water into hydrogen and oxygen.
16S747	28-4-88	Do.	A process for the preparation of indicator paper for on the spot testing iodine in the range of 15–40 ppm in iodated salt.
169856	24-12-86	Do.	A method for the manufacture of an extrusion pressure and industrial gear oil.
169857	24-12-86	Do.	An improved process for the sulphurisation of jojoba oil for use as an extreme pressure additive.
170008	16-12-86	Do.	An improved process for the manufacture of hydroxy citronellal from citronellal.
170346	3-10-88	Do.	An improved water treatment plant.
170384	13-4-87	Do.	A process for the desulphurization of black/green liquor for recovery of paper grade lime in paper mills.
170388	24-3-87	No	A process for the manufacture of heat insulating refractory products by foaming technique.

1	2	3	4
170438	14-3-sy	C>u wil >>r Sjieutirc & HdusHal Res:arch New Delhi	An improved process for the synthesis of Ufe ^a .
170445	i3-4-8R	-Do--	A process for the production of copper real glass,
170449	13-10-87	-Do--	A process for the preparation of polymer aqueous resin emulsion for use as pressure sensitive adhesive and paper metal Toils lopes and surgical plasts.
170465	22-8-88	--Do-	A bipolar cell for the production of chlorates and Hypochlorites.
170SK4	31-1-90	--Do--	An improved process for the synthesis of OL (3,6-DI-O, methyl, B-D-glucopyranosyl)-Cl->4), O(2,3-01-O methyl tiL, riamnopyranosyl (-.-9).
[VOJB	I'iO-39	-Do--	Synthesis of 8-(methoxy, carbonyl) attyl 4jfl'beii^yl-L-Thfmlm-nopii ^p . naside, H novel intermediate for synthesis of laproxy antigen.
170560	•?6-9-3»)	-Do--	An improved method to manufacture manganese monoxide from manganese ores,
170767	17-2-sy	-Do--	An electrochemical monitor for the quantitative estimation of mercury and other metal cation such as Cu ²⁺ , Ag ⁺ , Pb ²⁺ in solution.
170770	J 3-J 2 gy	-Do--	A Process for the synthesis of -6 (Arylvinyl)-1, 2, n-trioxoncs.
170829	7-9-87	-Do--	An improved process for the preparation of a high silica zeolite catalyst composite material.
170*.H	J.I 10-87	-Do--	An improved process for the Preparation of active alkali silicate from rice husk ash.
170S3J	?6-9-86	-Do-	An improved method to manufacture manganese monoxide.
170836	15 io-y/	-Do-	A process for the preparation of acidic add from wood dust.
170S37	17-11-8/	-Do--	An improved process for the conversion of n-Hur ³ g's into middle distillate ¹ .
170903	:-i2-s7	-Do--	A process for the production of kerosene and diesel -from naphtha.
170906	26-J2-Ey	-Do--	A process for the preparation of -3-aryl-1-hydroxy-but-3, Cn-2-hydroper oxides.
170907	28-3-89	-Do--	An improved process for the preparation of alkyl carbamates.
170908	28-3-sy	-Do--	An improved process for the preparation of a,xl-N alkyl carbamates.
1709f2	15-6-87	-Do-	A process for the continuous solvent extraction and electro winning of copper and zinc from ammoniacal leach liquor obtained from pressure leaching of multi metal sulphide ores / concentrates.
171013	17-5-H8	- Do -	A process for the preparation of a solid form alation for field testing of iodine in the range, of 1-1 S ppm present in 50.g. iodated salt.

1	2	3	4
1^1230	15-12-1988	CouncilorScientific & Industrial Research, New Delhi.	A process for the preparation of stabilized hitfti Bx coal slurries.
1^1362	13-4-1987	Do.	Process for the preparation of a catalyst composite material.
171363	15-4-1987	Do.	Process for the preparation of a catalyst composite material.
171407	24-9-1987	Do.	An improved process for the preparation of a carboxylic acids.
171*36	24-10-1988	Do.	An improved process for the preparation of thermosetting acrylic paint.
17163B	8-10-1987	Do.	A process for the production of film*, bisod carbon paper.
171646	74-2-1989	Do.	A process for the preparation of ionomeric membranes useful for the separation and conoziation of organic complex molecules.
171648	4-3-1989,	Do.	An improved process for the preparation of solvent resistant high tensile strength copper phthalocyanine blue pigment.
171M9	7-2-1989	Do.	An improved process for the preparation of insulating brick from talc.
111782	13-7-1988	Do.	Process for the preparation of ablative fire retardant polymer composite from cashew-nut shell liquid.
171290	23-11-1989	Do.	An improved process for the preparation of 2-pyridyl-2, 8, 6fS -1 (trifluoromethyl)-4-quinoyl ketone.
172030	31-12-1987	Do.	A process for the production of special pitch having low contents of quinoline insoluble (SI) in the range of 1 to 0% and benzene insoluble in the range of 15-19% useful for making carbon, carbon composites graphite electrodes' carbon fibers and the like
172048	22-12-1987	Do.	A process for the preparation of fertilizers useful to increase phosphate availability in soil.
172135	24-M989	Do.	An Improved process for the preparation 4-phenyl-5-Jischorra-cetamido-1, B-dioxane.
1701138	21-10-1987	Do.	A process for the preparation of 1-(1,5-Dimethyl (substituted hydroxy) 4-methyl benzene) from ringbenzene.
1712214	21-10-1987	Do,	A process for the preparation of 1-(1,5-Dimethyl (substituted hydroxy) 4-methyl benzene) from ringbenzene.
1712287	30-3-1988	Do.	Improved process for the carbonylation of alcohols to carboxylic acids.
17t2326	16-3-1989	Do.	Improved process for the preparation of bronswic greens.

1	2	3	4
172329	17-2-T989	Council of Scientific & Industrial Research, New Delhi.	Electrochemical cell for the electrolytic preparation of magnesium chlorate and a process using for the said cell.
172313	10-3-1988	Do	Process for the propagation of a novel tantalum alumino-silicate.
172361	21-3-1W8	Do.	An improved reforming process.
172416	3-10-1988	Do.	A process for the preparation of oriented powder of superconducting-BaZ (307-compound).
172542	L3-6-19R9	Do.	An Improved of coating composition useful for the protection of concrete structures,
172587	16*3-1988	Do.	A process for making port land cement from deer ash.
172633	27-4-1988	Do.	Process from the preparation of high silica paraffin part mordenites.
172690	28-1X989	Do.	A process for the preparation of a pharmaceutical composition to the treatment of hypertension organ Leptomy ischaemic heart diseases and hyperthyroidism having increased activity.
172784	9-6-I<83	Do.	A process for the preparation of a novel crystalline alumino-silicate designated as encillite-12.
172781	16-6-1988	Do.	An improved Naphtha reforming process.
1729R3	20-1-89	Do.	A process for the preparation of an improved jojoba oil body containing trisosteriferol jojoba oil and jojoba oil.
172941	8-7-86	Do.	A process for the production of silicon carbide fibres (B) from rice husk.
172945	13-6-89	Do.	A process for the preparation of (5)-1, Tert, Butyldimethyl silyl-4-(2-hydroxypropyl) Azetidin-2-one.
172W0	8-4-88	Do.	A process for the preparation of compounds useful for the treatment of disease* affecting macrophages.
172963	28-3-89	Do.	A process for the preparation of para-Sabutted benzyl 2, 2-dimethyl-3-(2, 2 dichlorovinyl) chloropropane carboxylate highly patent insecticidal belonging to the synthetic pyrethroids group.
172966	26-IMJ9	Do.	A process for the Preparation of cercloba^d low alcoholic beverage.
1729W	6-7-89	Do.	An improved process for the preparations of mono and dihalo substituted derivatives of or the aminobenzaldehyde from the corresponding hydrazides.
172970	11-9-89	Do.	A process for the preparation of 2-amino-l-phenyl-L-propanol (phenylpropanol amine B.P.)
17297X	13-2-87	>>	A process for sintering of chromite ore fines and concentrates.
173006	20-4-88	Da.	A process for the preparation of compounds useful for the treatment of diseases affecting macrophages.

1	2	3	4
169054	26-7-88	Cyril Harold Evans, of 23-Burdock Lane, Don Mills, Ontario, M3C-2G Canada,	Contact lens of soft-pliable ophthalmic plastic material.
160110	25-8-H3	Degussa AG. Weissfrauenstrasse 9,6000, Frankfurt (Main) F.R.G.	Process and apparatus for producing carbon black.
162212	21-4-84	Do.	Process (<i>Of</i> the production of natural oxidic or silicatic fillers modified at the surface-
164686	16-7-85	Do.	A process for the production of fillers.
168086	13-3-87	Do,	A process for a dry cationization of galactomannan.
169015	25-8-87	Do.	A process for the extraction of industrial hydrogen peroxide from working solution obtained in a conventional quinhydrone process for exclusive use in Industrial purpose.
169577	16-5-88	Do.	Aqueous pumpable stable suspension of water insoluble silicate capable of binding calcium ions.
169654	7-7-88	Do.	Process for dry cationization of galactomannans.
156855	7-4-82	Domco Smokeless Fuels, Pvt Ltd, of Paka, Kunj Room No. 2 Buti Rd, Baratatu Ranchi-834009 Bihar, India ^a .	Continuous carburiiser for the production of domestic coke coko from coal.
161384	13-7-83	Borgy Conversion Devices of 1675, Maple Road, Michigan 48084, USA.	Fuel cell and an anode within.
161503	10-10-84	Exxon Research * Engineering Company at 200 Park, New Jersey, USA.	A method of purifying N-Methyl-2-pyroH-dine solv ^t .
167753	25-7-86	Do.	Absorbent composition.
167758	17-12-86	Do.	A method for extracting aromatic hydrocarbons from hydrocarbon oils.
172110	25-7-86	Do.	A process for producing a fluid mixture free of H ₂ S by the selective absorption of H ₂ S from a fluid mixtures.
158808	31-12-82	Ferrohms Ltd, of Hassechambers, 2 Hassell Street, New Castle under Lyme, Staffordshire ST5, 1QB UK.	Process of refining ferrochromium metal.
159762	31-12-82	Do.	Process for the reduction and melting of ferro-chromium.
171530	13-11-90	Fidia, S. P. A. (An Italian Co.) via, ponta della, Fabbrica 3/A, 35031 Abano Terre, Italy.	Process the preparation of a mixture of gangliaides.
168343	16-4-87	Frank Wesley Moffett JR. of 944, All Creek Road Rochester New York, 14618—USA.	A plant growth composition and a method of manufacturing said composition.
166773	16-6-86	General Signal Corporation of High Ridge Park, P.O. Box. 10010, Stamford Connecticut, 06904 USA.	Apparatus for mixing liquid or liquid suspension medium contained in a Nessol.
166425	4-11-86	Giulini Chemie GmbH, Giulinstr. 2, 6700, Ludwigshafen, West Germany.	A process for producing a three dimensional stiffening element.

1	2	3	4
166783	29-1-82	Hindustan L^Ver Ltd of Hindustan L^vkr House, 165/166 Backbay Recl.rmulon, Bombay-400020 Maharashtra- India,	A fabric treatments composition with fabric softening proper ties.
166787	26-7-88	Do.	Humectants for skin treating composition.
166802	27-7-87	Do;	Method of producing active gamma-Hydroxydecanoic acid and optionally Lact oniscd product thereof.
166804	29-9-B7	Do.	Process for manufacturing detergent bars having improved hardness.-
166806	29-9-87	Do.	Process for manufacturing detergent bars, with improved hardness.
166902	14-3-88	Do,	A tooth paste.
166979	21-12-87	Do.	Hair growth promoting cosmetic composition fo, applying to mammalian skin or hair.
166996	25-2-85	Do.	A process for the preparation of an aqueous detergent composition.
167137	9-6-88	Do.	Cosmetic composition for opical application to mammalaiH skin.
167461	7-6-88	Do.	Soap based detergent compositions.
167523	21-9-88	Do.	Tooth paste.
167967	5-4-89	Do.	Detergent composition.
168406	16-5-89	Do.	Detergent composition.
168407	18-5-89	Do.	A method for preparation of an oral composition for combating dontai caries.
16860!i	28-2-89	Do.	Bleaching detergent composition.
168609	18-5-89	Do.	A process for preparing a substantially fluorine" free o,ai preparation having an ami carios activity.
168714	20-3-89	Do.	Liquid detergent composition.
168813	13-1-89	Do.	Laundry bars.
168S42	28-2-89	Do.	Method for preparing * toothpaste composition.
168848	24-1-90	Do.	Method of making an anti-caries tooth paste.
169426	.11-5-89	Do.	A non aqueousdray free cosmetic composition containing ester of pyroglutamic acid.
169444	18-5-89	Do.	A process for Preparing oral composition for the treatment of sensitive teeth. .
169447	14-12-88	Do.	A method of manufacturing a solid bar from liquid or semi liquid material such as ,oap non soap detergent or mixtures thereof.
169824	28-4-89	Do.	Detergent composition and process for the preparing them.
169825	16-5-89	Do.	A process for th, hydrogenation of higher nitrites to amines.
169826	12-6-89	Do.	Method of making liquid detergent composition.

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169829		21-6-89	Hindustan LeVcr UA, of Hindustan Lov,r House 165-166 Backbay Reclamation, Bombay-400020, Mftha,aghta, Tndia.	Method of refining glycerid< oils.
169918		5.3.87	Do.	Process for Preparing a petroleum cracking catalyst containing a sitica/magnesia catalyst cogel base.
170138		11-3-89	Do.	An aquous cosmetic composition containing ester of pyroglutamic acid,
170243		19-2-90	Do.	Shampoo composition.
170246		3-6-88	Do.	A process for hydrogenation of unjatarated hydro-carbons.
170247		11-5-90	Do.	Laundry soap bars.
170471		28-4-1989	Do.	D _o teiCcnt composition and process for pre-pairng the same.
170472		28-4-1989	Do.	Process for preparing detergent compositions and compositions thereby produced
170478		27-7-1987	Da,	An aqu^us single phae composition particularly for use in the treatment of keratinous fibres.
170487		7-6-89	Do.	Thickened liquid compositions.
170488		25-7-1989	Do.	Laundary b:tirs& process for preparing same
170489		28-8-1989	Do.	Built detergent ba _s .
170494		15-6-1989	Do.	. Method for preparing an aqueous ihampffo composition.
170495		26-9-1989	Do.	Process for preparing iraprova liydrolysed protein.
170496		20-9-1989	Do.	Process for prepa/ins improved hydrolysed Protein. .
170497		2-U-1989	Do.	Fi-oceis for preLW.ms a high bulk density Bt-aniiUir detergent composition.
170498		9-11-1989	Do.	Method of raakms oral compositions.
170500		14-8-1990	Do,	Detergent compositions.
170592		5-7-1989	Do.	Translucent detergeñt bars.
^70595		9-3-1990	Do.	Stable detergent composition in liquidier get form.
170611		5-7-1989	Do.	Detergent composition for washing and softening fabrics.
170612		9-8-1989	Do.	Process for purifying crude glycerol.'
170618		16-5-199*	Do,	An aqueoas cosmetic emulsion.
170703		26-9-1989	Do.	Process for preparing improved hydrolys-sd protein.
170708		27-12-1986	Do,	A liquid bleaching composition.

1	2	3	4
170709	2-3-1990	Hindustan LcVer Ltd., of Hindustan Lever House, 165/166 Backbay Reclamation Bombay-400020 Maharashtra, India.	Transulcem detergent bar.
170710	21-3-1990	Do.	Process of producing a built non-soap detergent bars.
170996	21-12-1989	Do.	Cosmetic compositions.
170997	20-5-1991	De.	Detergent compositions.
171071	16-8-1990	Do.	Compositions suitable for topical application to mammalian skin and hair.
171074	29-i1-1990	Do.	Method for preparing an oral composition.
171127	27-12-1989	Do.	Bleaching composition.
171130	16-8-1990	Do.	Composition suitable for topical application to mammalian skin and hair.
17*181	31-7-1990	Do.	Soap composition in solid or past Forms and method of making same.
171190-	19-12-1990	Do.	Cleaning compositions suitably for topical application to human skin to remove make-up.
171295	24-4-1990	Do.	Aqueous shampoo and conditioning composition for negroid hair.
171299	8-1-1991	Do.	Shampoo composition.
171323	4-6-1990	Do.	Detergent composition for washing and softening fabrics.
171327	8-11-1990	Do.	Stable bleaching composition.
171329	23-11-1990	Do.	Removal of metal soaps from hydrogcnated fatty products.
17J532	26-11-1990	Do.	Sunscreen composition suitable for topical applications to human skin or hair.
171534	21-3-1990	Do.	Detergent compositions.
171540	2-7-1990	Do.	Tea process.
171563	8-5-1990	Do.	Bleaching compositions,
171565	13-9-1990	Da.	Sunscreen hair conditioning composition.
171578	12-10-1990	Do.	Structure aqueous detergent composition.
171579	23-11-1990	Do.	Shear thinning liquid abrasive cleaner composition.
171755	U-5-1990	Do.	A preserved composition suitable for topical application to mammalian skin to hair for inducing maintaining of increasing hair growth.
171757	27-8-1990	Do.	Stable liquid detergent composition.
171758	5-10-1990	Do.	Method of making a oral compositions.

1	2	3	4
171759	5-10-1990	Hindustan Lever Ltd. of Hindustan Lever Hddee, 165/166, Backbay Reclamation, Bombay-400020, Maharashtra, India.	Method, for making oral composition [^]
171760	16-10-1990	Do.	Aqueous hair treatment composition.
171762	21-1M99O	Do.	Built non-soap detergent compositions.
171763	21-11-1990	Do.	Detergent bars having improvd hardness, and its mathod of manufacture-
171765	3-12-1990	Do.	Detergent composition.
171767	14-3-1991	Do.	Detergent bleaching composition.
171770	27-8-1990	Do.	Stable, liquid detergent composition.
171813	20-4-1990	Do.	A process for preparing as cMw-
171814	24-4-1990	Do.	Process fur preparinu a te.i product.
171820	14-12-1990	Do.	Process for the estrifieition of carboxylic acid.
171886	18-1-1991	Do.	A detergent composition for washing fabrics.
171897	15-1-1991	Do.	A batch process for the preparation of a Br*nular dotergont composition.
171898	14-3-1991	Do.	Low temperature bleaching co;nposition.
i72032	26-11-1990	Do.	Process for preparing hi<h bulk denmin detergent powders containing clay.
172033	8-3-1991	Do.	Process for the preparation of <i>in</i> flastag [©] inhibiting composition.
172038	8-4-1»1	Do.	Paniculate bleaching detergent compositions.
172040	10-5-1991	Do.	Process for preparing soap-acyl isothionate compositions.
172454	18-1-1991	Do,	Process for bleaching substrate-
~72457	7-5-1991	Do.	A. composition for topical application to human skin to provide protection from et- ccssive exposure to ultra-violet rays.
172460	4-6-1991	Do.	Cleaning compositions providing improved mu,h reduction mildness enhancement or both.
172490	4-6-1991	Po.	Detérgent compositions.
172847	8-2-1991	Do.	A composition suitable for cleansing tho shole body surface including sl^ng or ink.
172850	24-7-1991	Do.	Poultry feed additives.
172881	20-5-1991	Do.	pleaching composition.
172885	21-3-1991	Do.	Process for preparing a therapouLic/cosmetic Preparation.
172886	21-3^1991	Do.	Process for preparing a oral preparation.
172887	21-3-1991	Do.	Process for preparing a therapeutic/cosmetic product.

1	2	3	4
172B89	7-? 1991	Hiiuliut <i>a'i</i> Lever Ltd., Hindustan Lever House, 165/166, Backbay Reclamation", Bombay- 20, Maharashtra, India.	A composition for topical application to the skin to provide protection from excess sunlight exposure to ultraviolet rays.
172903	3-3-1901	Do.	Process for dewatering an aqueous coal slurry Utter cake.
172913	29-8-1991	Do.	Hair treatment composition.
173187	I4-KM99J	Do.	Method of manufacturing an oral composition.
173189	3-4-1992	Do.	Process for preparing detergent compositions.
173394	23-5-1991	Do.	A lubricating fluid composition for mechanical vapour compression type heat transfer devices.
173461	19-7-1191	Do.	Shampoo composition containing highly viscous silicone.
173467	2041-1991	Do.	Detergent compositions.
,173468	9-12-1 W1	Do.	Hair treatment composition for reducing frizziness of hair.
157911	9-J-1986 N.2	Johns-Manville Chemical Industries Pic., Imperial Chemical House, Mincank, London, SW1P, England.	Process for reacting carbon monoxide with steam.
159188	5-4-1483	Do.	Process for the production of ammonia.
If 1290	20-3-IS*S4	Do.	A two stage process and apparatus for producing hydrogen enriched gas.
161489	8-4-1985	Do.	Process and apparatus for producing ammonia.
163106	22-2-1985	Do.	A Process for producing ammonia synthesis gas.
166162	12-5-1986	Do.	Coating composition.
166251	24-2-1986	Do.	A process for producing a purified ammonia synthesis gas.
166S62	7-3-1985(5)	Do.	A process for producing of ammonia synthesis gas.
167736	19-8-1986	Do.	Process for the production of a hydrocarbon containing gas stream.
170072	24-2-1986	Do.	Apparatus for conducting endothermic catalytic reactions such as steam reforming hydrocarbons, having a boiling point under 220° centigrade to produce carbon monoxide and hydrogen and the like.
170167	24-2-1986b	Do.	An apparatus for conducting an endothermic catalytic reforming reaction.
172081	7-5-1983	Do.	A method of art electrically insulating materials suitable for use in an electrolytic cell.
172330	19-8-1986	Do.	A process for the preparation of catalyst for use in catalytic shift reactions.
172368	5-4-1986H	Do.	A process for the production of a hot pressurised gas stream catalytic partial combustion.

1	2	3	4
151284	24-M9S1	Indian Aluminium comniliy Ltd, [f.fMleton-urset, (Mlcntta-700071.	Pi\l-H for ti-; p^Jn.-iiVi of li'A'soda iliniii.i liyc'rato tiad c.ilcinad alumina.
164735	1-I2-19R6	industcikontaki],l,>. D.rin, Kieiva-20, ri-6900, Floro, Norway.	A jiroc<3s for ivcovery of oil.
159123	14-5-1984	lQstytut Ciezkiej, Syniezy Organicznoj, Bftiauhownia, K.;lz>crzyn-kozle, Poland.	Method of separating hydrogen chloride from a post reactionmixture derived fromthe high temper^ture chlorination of propyenc to a allyl chloride.
166596	14-3-1980	international Motels Reclamation Co. inc. of EUwood city, Penns,y]vaniM61t7, U.S.A.	A PfOj,si for rciuing agilo.njr'Mcs.
161593	16-12-1935	Ion Exchang (India) Lt..l, of Jiceicon House, Dr. S. MJICS Rd. Bombay-400011, Maha,ajht,a, India.	A pi-ocess for prcp^ins ^n cljclron exchange r^sin spscilically suited for iho remivaj of ii J:I from water.
166910	27-10 19R7	Do.	A process for prep-ihs i,nprov_0d etition exchange reiin.
169423	23-2-1989	Do.	\ novel eloTji-o-clIorinaior having a novel electrode system comprising a pair of cle^-li-odc assemblies.
170431	19-4-1989	Do,	A nov,;! chlorin; ajtiv.ilo,- for chlorinating potable water.
171159	26-12-1990	[slihari Siqgyo iCaijh'i, Ltd. of 3-22, Biobori, l-clome, Nishi-ku, Osaka, Japan.	Prooejs for producing an imidazolduie derivative.
177764	12-5-1987	JP1 Tra.iiporation, pi-oducts Inc, of 325, E.nt, Eijinhawjr DriVj Ann Abor, MichigiQ- 48104, USA.	A method of producing - a .powered il imi.ium bja,ing material.
168751	51-12-1936	Kijoi O.i, i jv- T ui, of 1 2-7, Shibd.aiamon, 2-chonic Mmato-ku, Tokyo, 105, Japan,	Innji-jv.-rnjili J i 3r r^latiag to a luminescent phosphor com.T-iijiOii process for its preparation and fluorescent lamp employing it.
172792	16-8-1989	KERft. MEG3'3H, domical C^pJration. U.S.A^	JV'JJJS of prctiu'i lru; fliiving power? of non-pigmentary, titanium dioxide BrunUUr aggregates.
171421	29-HR	Kikuko Yokoyania, of 6-15>Hanamanuma 2-Chotic, Suginami-ku Tokyo, Japan.	Process for producing anthraquinone compounds.
18683T	6-1-87	Kij^vsr Ci-i. Patent. GMBH, KlocWnerstrOsw 2y, Daisliurg-4100, West O,rmany,	4 method for the injlt reduction of iron ores.
166838	5-3-87	Do.	A method for producing iron.
168226	13-7-87	KM-Kab^imstai, Akn,ag,seH»cliaft, P.O. Rox- 3320, Klosierstasse 29, D-4500 Osnab,ruck, Federal Republic of Germany,	Process for the manufacture of copper alloy, for use as material for the manufature of continuous casting ingot moulds.
168332	19-6-H7	Do,	Pi-ocoss for tho manufacture of a continuou§ casting ingot mould from a copper alloy.
169336	1.4-4-39	laboratory Guidotti, SPA, af Via . Trieste 40, 56100, Pis it Italy.	Pro'Ms for the prepralion of amides of cyclomethylene-1, 2-bicarboxylk \cids having therapeutical activity.
172059	12-4-90	0->.	Process' for the preparation of amides of cyclomethylene-1, 2-t>ica,boxylic acids havinj therapeutic activity.
172060	12-4-90	Da.	Proc-as for the preparation of arайдej of cycloinethylene-1, 2-dicarboxylj, acids having thr apolitical activity.,

1	2	3	4
155786	6-4-81	L'Ajr Liquide, Societe, Anonyme Pour L'Etude Et.L. Exploitation Des Procedes Georges claude, 75-Quai orsay-75007 Paris Franc*	Improvements In Or relating to processes of And apparatus for the production of ammonia synthesis gSM.
163053	18-12-84	Do	Method atid installation fo _r recoverin* a mixture Propane, butane & pentane from a gH containing lighter components including ethane.
1657585	14-7-86	Do.	Process for cryogenic air separation into its component gases and an air distillation system for carrying out the process.
170626	2-6-87	Do.	Process for separating a geseoug mixture by adsorption.
165211	4-2-86	Lanxjdc Technology Corp. Tradee Industrial Park Newyork Delaware 19711, USA.	A method for producing a self supporting ceramic composite structure.
166622	22-1-87	Do.	A method for producing a self supporting ceramic composite body having therein at least one cavity.
16765.1	I-fi-87	Do.	Method. for producing *br>siv materials.
168483	7-9-H7	Do.	Method for producing ft self supporting ceramic composite.
168484	7-9-87	Do,	A method of producing a self supporting ceramic composite.
168487	15-9-87	Do.	Production of ceramic and met ^{al} composite articles, incorporating filler materials.
16LJO3	13-1-88	Do.	A method for producing a self-supporting ceramic composite structure.
168JM1	4-9-87	Do.	A method of producing self supporting cer*mic body.
169016	14:9-87	Do.	A method of producing • Yoamod ceramic article.
169021	1-1-1)8	Do.	Method for producing >mold-shaped ceramle bodies.
169041	4-1-8B	Do.	A method for producing a self-supporting ceramic composite comprising metal carbide.
189042	4-1-88	Do,	A method for producing self-supporting cer*mic composite.
168482	7-9-87	Do.	Production of ceramic articles incorporating porous filler material.
168735	4-9-87	Do.	A method for producing self-supporting cer<nic body.
169576	11-5-88	Do.	A method of producing b m*t <i>i</i> nartix composite.
169580	19-5-88	Do.	Method for gurfc* bonding of ceramic bodies.
169659	14-7-88	Do.	Mctbod of producing self supporting bodies.
170722	2-1-89	Do.	Method for producing « met ^l matrix eom-pojite.

1	2	3	4
17*077	9-9-87	LanJde Technology Corp. Tradec Industrial Park, New York, Dalware 19711, USA.	Method for producing stl-fs'jpportinn ceramic composite structures.
171214	8-2-89	Do.	A mothod for producinn a protective layer on a Drin'; S>ly ani a mstrid of uairig a ceramic body.
171652	2-1-89	Do.	M.-thod of producing mstai m ^a trix compo* site.
172794	29-9-89	DO.	Method of binding a olurality of bodies consling m;mls csramica ceramics composite aad the like
172868	29-9-89	Do.	A method of forming imtal matrix composites bajiea by use of, an immersion casting technique.
^73036	29-9-89	Do.	AmithDd for mining mjtil mirti x composite bodies.
168525	6-6-83	Lucky Bbtuch. Corporation, of 4550, H irton, Street, Emeryville California-94608, USA.	P. o^s for pi-DJauioq navel proteinaceou sweeteners.
164740	4-2-88	Lucky Ltd 21, Yiirb-Dong Yongungpo-Gu, Seoul-1JO, Republic of Korea.	A r <i>o</i> -O3ni for the preparation of pyrethroid type cester compound.
168240	4.2-88	Do.	A orocss for the preparation of pyrethroid benzyl e"ster compounds.
170251	13-4-88	LumlnisTTY, of 233 North Terrace Adelande, 5000, South Australia.	M;th^d aii apparatus for mixing first and second fluid.
173299	14-1-92	Lunar Corporation of 313 West Boltline High/ay, Madison Wisconsin-53713 USA.	A m:thod of preparing 5, 6-Cis 1 a 24-dihydroxy vitamin D2.
157529	25-3-82	Magnesium Electron Ltd, of Lumn's Lane, Clinton Junction, Swinton, Manchester, England.	A method of making a magoosiura alloy.
162596	7-12-84	Mannesman AG, of M ^a insttn'wiufbr 2, D ^a tOOO, Diisseldorf, West Germany.	Process for the production of ferrochromium.
165027	13-5-86	Do.	Process for the reduction of iron-containing chromj ores.
J65587	23-9-86	Do,	Counter current fluid cooled discharge screw for use in a rotary hearth furnace.
167906	13-3-86	Do.	An irmroved proces3 for the preparation of unalloyed steels.
H2618	17-8-89	Msdermott. International Inc., of 1010, CoJLion Street, P.O. Box60035 New-Oielena, LouisiarO-70160, USA,	Process of recovering 1 thame from natural gas.
166890	25-1-90	Mjtaiurgicai'aud B.C.(I). Ltd of Dorsnda, Ranchi, 834002, Biha, India.	Improved tuyere stock for bia _s t furnace.
160813	1-6-83	Milfjx Intsrifoml B.V. Wiltriadstrassc-12, Zurich 8032, Switzerland.	Method of Saturating a reducing gas.
i 6401\$	16-8-85	Do.	Procjss for reducing metallic oxides to metallised miterial.
1*4263	20-9-85	Miner Enterprises, lac. of-1200, Ea ₃ t Stove Strjet, Oencva ₅ State of Illinois USA.	A method of treáting a 'body tnide from a oopolyester polymsr el ^a stomir materials.
168763	2-11-87	Mitsubishi, Miilng all Cimjn of 5-1, Mirunouchi-chome, chiyoda-ku, Toyo-100, Japan.	Finely sulvorizgd solid fuel burner.

1	2	3	4
t<38>7	21-7-82	Mbbil So^ar Energy Corporation, of-16, Hu'tMy, Diivc Wathani Massachusetts, USA.	Apparaus for growing thin walled tubular crystallizing bodies made of silicon alph°-alumina or like from th ₀ melt.
156863	18-10-B2	Monsanto Co. of 800 North Lindbergh, Bjulevard, St. Louis Missouri, 63167, USA.	A process for inhibiting premature vulc&nizati6n of a vulcanizable rubber composition.
169549	17-12-87	M Vton Tlii}koi [nc. of Station square Tower, Station square, Conventry, CV-12QH, England.	A method of mnufaturing a polymeric sheeting.
166878	20-4-88	NOK Insulators Ltd. 2-56, Suda-cho, Miuhoku, Nagoya, City, Aiehipref Japan,	A suspension insulator.
167946	29-2-88	Do.	A process for producing high strength procelainj for uge in insulators,
156855	7-4-82	Nirthoom Tudhan of PTPS, patratu, P.B, No. 7 Dist. Hazaribagh, Bihar, India,	Continous car oniser for the production of dojusiic coke from coal.
71745	21-9-90	Norpharmco Inc. of 700, Baly street, 20th floor, Toronto ontario, Canada M5O 1Z6, Canada.	Method for the prep tration of pharmaceutical Nedlcic'l composition.
171475	14-2-89	Otto India, L Pvt. Ud. off/16 Sjctor-2, Rourkela-768006 Orissa, India.	Process for the treatment of .waste water resulting from coal purolysis for recycling it and recovery of the s&l.s preset therein.
155869	25-9-81	Outokumpu or SF, 83500, Outokumpu, Finland.	.A process for the recovery of lead gflVer and gold from the iron-bearing residue of an electrolytic zinc process. -
157144	i-7-83	Outokumpu OY, Toolonkatu 4, SF-00100, Helsinki, Finland.	Procedure for roaming seleniferoua material.
166784	11-3-88	Outokumpu OY 4,00100 Helsinki, Finland.	A method for manufacturing tubes, bars and strips of a non-ferrous metal.
171692	25-10-88	Peter weinwurm, of 3590, Kaneffcresecent, Apt, 606, Misaisiaaga ontario L5A-3X3, Canada,	A methpd of treating hazardous Or toxic waste containing for organic matter and met'au, production of an inorganic insoluble industrial raw m-iterai.
168084	9-3-87	Philips petroleum company, of Bartles uillo, State of OWahojias, USA.	A process for preparing a polymod*l craze resistant law colour transparent line&& resinous block copolym^rs.
168935	9-3-87	Phillips petroleum Company, Oklahoma*, USA,	A process for the preparing a polymodel, cra^e resistant low colour, transparent linear resinous copolym^rs.
168443	5-8-87	Do.	An improved water dispersible polymoric composition and a process for preparing th< saiae.
169892	2-3-88	Do.	Fluid loss additives fo _r preventing fluid losi in cement slurries.
170952	1-9-88	Do.	Process for olefin polymerization.
172380	4-12-89	Do.	Proceis for d<hydrogeQting hght parafflng (aikanej).
169266	3-10-86	Royal ordnance Pic, of Griffln House 5, The Strand, London-wc2N, 5BB, England.	Explosive shell.
169504	3.10-86	Do,	E,t3lojiv _e projectile.
166562	9-7-86	SAB HIFE AB, of Box. 515, S-26124, Landsk _r ona, Swcedon.	Vai^e for the action of water to electro-chemical accumulator batteries.

1	2	3	4
1608T68	10-7-84	Saint-Gabain Vitrage "Ut MifOhV' it Av^no*. d'Algace, 92400, Coufbevoie Fr»nc«.	A method or for preparing plastics material of b #i optical quality and capable of ab-gOrption of energy.
Ifil4(S5	10-7-81	Do.	Laminated s^Fety pane.
16810.1	29-7-86	Saft, of 156, Av^ne dc, Matt-93230, Romainville, France.	A method of manufacturing a polymer consolidated cadmium electrode for an ajkaiin© Btoraac cell.
173290	28-12-89	Samsung Electron Devices Co. Ltd. of 575, Sjn-Ri F Tat;an-Eub, H wasnng-kum, kyungkl-Do, Republic of Korea.	Method for manufacturing europium activated phosphor.
169510	10-9-87	Sanfojd Redmond, of 746 Riv^r bank Rd. Stamford, Connecticut, O690J USA.	Dispensing package for flowable products.
171235	1-9-88	Serk BAKBR Ltd, of 6, Poole Rd., Wimbourne, Dorset, England.	Separator for separating a rni\tur« of liquids.
156920	24-5-82	Shell Internationale R Cie*rcb, Maatschappij B.V. Holland.	Sulphur recovery process.
158380	5-ii-s;	Do.	Process for the preparation of Fishertropsch catalyst and use of this catalyst in the preparation of hydrocarbons.
158700	19-7-83	Do.	Process for the preparation »f hydrocarbons.
158141	9-2-83	Do,	A process for the sePWion of a liquid mixture by extraction.
159456	2-3-83	Do.	Process for recovering a glycol from an electrolyte containing aqueous solution.
160*59	26-2-85	Do.	A process for preparing a carboxyl terminated polyester,
161735	27-8-84	Shell Internationale Research Maatschappij B.V. carel Van Bylandlaan, 30,2596, HR, Th Hague, Th Netherlands.	Process for the prep^ation of hydrocarbpn mixtures boiling bet 2 J50*C and 360'C.
162398	26-10-84	Do.	Process for the preparation of hydrocarbons having at least five carbon atoms per molecule from hydrocarbons having at most four carbon atomic per molecule.
163184	21-3-85	Do.	Process for the preparation of polymers of conjugated dicnes and optionally mono aldehyl aromatic hydrocarbons.
163547	27-12-84	Do.	A process for preparation of an activated catalyst.
164143	8-2-85	Do.	Projss for the preP^ration of hydrocarbons by catalytic ration of carbon monoxide with hydrogen.
164153	8-2-85	Do.	Pwcsai for th preparation, of hydrocarbons.
164284	14-3-85	Do.	AppatUH for th e «sification of tb^ pulverized solid fuel.
1644*55	13-6-85	Do.	Process for the Preparation of hydr ocarbons,

1	2	3	4
164493	27-3-1985	Shell International Retouch Maatschappij B.V. Cerel Van Byfndtlaan, 30, 2596 HR, The Hague. The Netherlands,	Process for the preparation of linear GO-C20 elefints.
165116	3-7-1985	Do.	A process for the preparation of activated catalyst*
165407	16-74985	Do.	A process for producing synthesis gss of increased H2/C0 ₂ ratio.
165968	8-10-19*5	Do.	Process for the production of synthesis B ^a with an increased H2/O ₂ . Ratio from hydrocarbons.
166314	11-8-1986	Do.	Process for preparing novel copolymers of carbon raono.*ide ethane & another olefinically unsaturated hydrocarbons.
166496	3-124985	Do.	Process for producing a substantially H ₂ S free gss from a sour gaseous stream such as naturally occurring ga ^a synthesis gases process gases and fuel gases.
166813	27-12-1985	Do,	A process for the preparation of heavy liquid hydrocarbons boiling arwve 360°C by catalytic reduction of carbon monoxide with hydrogen.
167260	25-4-1984	Do.	A process for the preparation of hydrocarbons by catalytic reaction of carbonmonoxide with hydrogen.
167283	20-6-1985	Do.	Aa Improved gesiline composition for use in sparmignition engines.
167615	26-2-1987	Do.	A process for the preparation of a carbonylated olefinically unsaturated compound.
167707	6-11-1986	Do.	A mothod for the preparation of a catalyst suitable for the preparation of hydrocarbons.
167902	29-7-1986	Do.	A process for the preparation of synthesis g ^a * from a gaseous or liquid hydrocarbon containing feed.
167994	25-6-1986	Do.	Process for the anionic polymerization of monomers.
168064	30-7-1986	Do.	Melt-spinnable for meltblowable copolymer composition and fibres whenever melt-spin or melt-blown therefrom.
168471	29-7-1986	Do.	Process for producing H ₂ S free gas from H ₂ S containing sour industrial g ^a stroara.
168472	5.8-1996	Do.	Process for producing an" H ₂ S gaseous trcmp from " H ₂ S containing sour gssseous strewn).
168743	7-10-1986	Do.	A process fiv producing a hydrogen-cont <i>in</i> ing gas.
168749	19-1-1987	Do.	An apparatus for contacting gaj.and liquid.
168884	3-11-1986	Do.	Apparatus for solids Huid separation.
1697.02	30-1-1992	Do.	Apparatus for contacting gts liquid and solid particles.

1	2	3	4
169380	7-1-1986	Shell Tnte'national Research Maatachappij B. V. Cwcl Van Býkndtiaan, 30, 2596, HR, Tne Hague, The Netherlands,	Method of manufacturing partially crystalline polyster articles.
169503	7-1-1986	Do.	Method of manufacturing an amorphous thermally stable polyole fin modified polyethylene terpholate sheet.
169589	20-10-1987	Do.	Improved catalyst compositions for use in the production of ethylene oxide.
170003	3-6-1986	Do.	Process for the preparation of a silver catalyst.
170009	274-1987	Do.	Process for the preparation of a silve-eon-tinining cxtlyst suitable for the oxidation of ethylene to ethylene oxide.
170453	16-2-1987	Do.	Process for regeneration spent resin.
170625	22-5-1987	Do.	Process for the preparation of polymers.
170743	4-3-1987	Do.	Process for the preparation of carbonyl compounds.
171627	4-5-1987-	Do.	Novel catalyst composition.
172272	27-7-1987	Do.	A process for tho preparation of silver containing catalyst.
164998	284-1986	SKWTliOSTBBRG AO. of Dr. AlbjrL Frank, St'est, 32, D-8223, Frostberg, F.R, Oermahy.	PmJoss for thu removal of caffeine from te ^a .
171041	8-8-1985-	Societe General pour, Lcs Techniques, Nouvelles, S. G.N. of 1, rue, des Herons, Montipny-ic-Bretonneua, 78184-Saiut-Qumtto, cn-Yvolines, Cedex, France.	A process and en appar*tas for producing methane, and carbon dioxide.
163181	13,2-1985	Sociele Nationals Ele, Aquitaine, of Tour Aqitainc, 92080, Paris 1* Befesse, l'ranee.	A process and an installation for the distillation of petroleum of fossil or synthetic orgin.
167111	12-2-1985	Sohio Commercial Development, Corporation, At, Midland Building, Cleveland Ohio-44115, USA.	A method o f manufacturing a film of Hgl-Xcd X Te on a conductive substanc.
172865	7-8-1989	Solme* AG, of Roh,istrasse. 6353, Wegfiit, Switzerland.	Pencil lead substances and a process for it's production.
171136.	25-114988	Somoco, products Co, of H»rt»ville South, C^rolina-29550. USA..	Streten blowmolded poyethylene terephthalate wide mouth container and intermediate article.
164758	II-7-H85	SpiciT-lisuj p.)lyurcth»Qe, Applications Pty. Ltd, of 5st- Thomas street, Waverly, New-south-1, Weles-2024 Australia, and Dyno. WESFARMERS LTD, of Military Rd, Cereraore, New-South V^les, Australia.	Borehole plug for a borehole for placing explosive* therein.
15821J	3-3-19S3	StamioarboD B.V. P.O. Fox-10 6160 MC. Geilen, Th ₀ Netherlands.	An improved process for preparing nielamine.
162564	14-11-1984	Do.	Proc«s f>r preparing a purified rubb,e,r.
164794	1-5-1985	Do.	FrJc«si for tlie Preparation of polytrra-n»thylene •pid"mid«.

1	2	3	4
164004	8-8-1985	Stfcin Industries, of, 19-21, avenue, merane, ScUlnor 78L40, Vdizy Villacoublay-France.	Ignition anrl combustion supporting bums: for pulverized solid Fossil fuel.
163805	10-12-1985	Do.	Duct for conveying smoke filled \with fins ash particles end having heat exchangers and PfoTectiv ₀ device for Protecting the heat exchangers.
158598	8-9-1982	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio-44092. USA,	A process for preparing a composition for lubricating metal during working thereof.
160502	31-3-1984	Do.	Phosphours containing metal salt/olefin addj. tive composition.
161061	24-6-1983	Do.	Process for making a nitrogen containing ester of a carbo ^y containing interpolymer.
161461	8-8-1983	Do.	A liquid composition having hydrocftrbyl substituted carboxylic a ^y latins agent derives tive containing combinations.
161606	16-2-1984	Do.	An additive composition having alkyl phenol and amino phenol for use in lubricating compositions.
162587	29-1-1985	Do.	Process for preparing a water disperible reaction product for use in lubricants cutting media.
162875	31-3-1984	Do.	Process for the preparation of metal corrosion inhibitor for use in aqueous system.
163405	11-2-1985	Do.	A process for preparing nitrogen, phosphorus containing agents useful as ashless anti wear extr ⁿ e pressure and/or load earring attent.
163431	28-2-1983	Do.	Additive composition containing aninophenol cornbinaiioas u^ful as lubricant and fud additives.
163584	15-6-1984	Do.	A method of preparing metaigaits of diajkyl-phosphorodithioic acids.
163700	16-2-1984	Do.	An i.ujiroved lubricating oil composition.
164211	28-1-1985	Do.	Improved process for making substituted Cdrboxylic acid and dorativ _c thereof.
164585	15-1-1986	Do.	A lubricating oil composition.
164*34	16-10-1985	Do.	A Process Of preparing a sulfuiized compo sition useful as lubricant additives.
164850	18-12-1985	Do.	Process for tho preparation of a dispersant suit suitable for formation of stable aqueous disperse composition.
165348	24-12-1985	Do,	A process for preparing a coating compo sition.
166098	31-3-1984	Do.	A lubricant composition having antioxidant/ or anti-wear properties.
166099	31-3-1984	Da.	A phosphorus, containing m _c tai salt/olofin additive composition.
166474	3(M0-1985	D.J.	A Pfojssi ft>i preparing a lubricant additives aqueous system.

1	2	3	4
166484	25-11-1985	The Lubrizol Corporation 29400 Lakeland, Boulevard Wickliffe, Ohio-44092, USA.	A lubricating oil composition containing loss than about 0 1 "", by weight of phosphors.
166512	15-1-1986	Do.	Liquid hydrocarbon composition for use as fuels crude oils lubricants.
166757	15-4-1986	Do.	A process for preparing sulfurized hydrocarbyl containing compounds.
166823	24-1-1986	Do.	Aa oil soluble lubricant composition..
167018	28-8-1986	Do.,	A method for producing homopolyers and copolymers of azido-sulfonic acid containing monomers ^nd selt thereof.
167479	28-1-1985	Do.	Improved process for 'making substituted carboxylic acids.
167490	25-11-1986	Do.	A process for preparing i" oil-soluble viscosity improved
167643	28-2-1983	Do.	A nitrogeii containing organic additive in the form of composition o _r concentrate.
167666	13-10-1986	Do.	A water in oil emulsion for use such as hydro- anlic fluids acidizing fluids or explosive compound.
167837	5-8-1986	Do.	A fuel composition for internal combustion engines.
168197	23-9-1987	Do.	Process for the production of a high carbonate containing borated product.
168250	16-10-1985	Do.	A liquid lubricating composition having improved antioxidant characteristics.
168302	17-12-1986	Do.	A factional fluid! such as hydroauUc/trans- mission fluids frake fluids power steering fluids tractor fluids.
168375	16-4-1987	Do.	Lubricating composition containing an additive debated from 0,0-dialkylditbophosphoric acid and a norbornyl reactant and method for the producing thereof.
169508	17-12-1986	Do.	Composition for use as an additive for functional fluids,
170459	17-9-1987	Do.	Lubricant composition.
170653	18-12-1985	Do.	Improved dispersant salt composition.
170839	25-11-1986	Do.	A process for preparing »n oil soluble vig- dity improves.
172193	25-11-1986	Do.	A process for JJmakina an oil soluble disper- sant viscosity modifying composition.
172297	28-1-1985	Do.	Method fbr preparing a substituted carboxy- lic acid derivative- composition.
172725	6-7-1988	Do.	A process for preparing a lowar alk<jne polymer.
172274	3-9-1987	Do.	A msthod for preparing an oil soluble metal' containing additive for use in functional fluids.

1	2	3	4
167854	29-7-1986.	The lisa,d oFthe R-ubber Research institute of, Malaysia, of 260, jalan Atnpang, Kuala, Lumpur, 16-03, Malaysia:	Piocess for the production of epowidisod iaturai rubber from fresh, natural rubber field latex.
157506	28-12-1981	The British Petroleum Company Ltd Hritanni,; Housi, Moor Lane, London re 2y 9BV, England.	A process for producing the crystalline aluiuiniosilicates.
158991	942-1982	Th3 Malaysian Rubber Producer's, Research Association, Brickendobbury. Hertford, SO13, BNL, England.	Amsthodof making epoidized cis1,4-pol- yisopreno rubber.
167496	18-3-1987	Do.	A mjLhod of preparing an clastoplftstic composition.
172101	27-11-1936	Dii.	Method for producing low molecular weight rubber latex.
164806	J13-S-1955	Tile M.W. K-allot Com,viay fruee Wreotiway, Pjaz«, Houston T,ofts-77046 USA.	Piocss foi prJucitij amnunid jn a synthe- MS.
169187	19-3-J987	LK>	A piodss for the st a am cracking of hydro- cutljon?.
171012	1/7-19&7	Iij.	Process for lecovcnng mercury from natural 8 ³ s.
171796	15-1-1989	DJ,	Method for sepaiating a hydrocarbop gas mixture and recovering a liquid stream of condensed hydrocarbon component* tliefe from.
172742	18424937	riile Stani u- Oil Cunany, of Patent ual L'nencz Division, 200, Public square, Claveland Ohio, 44114-2375, USA.	\ method for the manufacture of limio con- lacts.
157575	UMI-19^1	Tlij Tit^n Manufacturing Co. Pty. Ltd, of Cur, Woodstock, Street, and Industrial, Highway, Mayfield, New South Waies-2304, Australia.	A nut in cotporititif re^istauce niBUii?.
157441	19-II-19SI	The Titan Manufacturing Co. Pty. Ltd., of Cur, Woodstock Street and Industrial Highway, MayMd, New S.iuth WaJes-2304, Australia.	A threaded deformed bar.
165991	24-14986	Do.	Defoimed bar for particular use On a rock bolt
165862	17449Kb	[LV Co. Lid. of Hibiya lCokusa,i B]dg. 8P, 2 - 3, Uchi^ai /ai-tlio, 2-chijraj, ohiyoda-ku, Tokyo, 100, Japan.	Um-Water separator.
160095	1-11-1983	T A N Materials Research Ltd, of 20, St. Mary's Parronase, Manchester M3,2NL, Ei [gland.	Non a,besta» flaxible sheet material.
165755	25-9-1985	I'okyo Enemeering Cor. li. 2 -5, K.asuuijaseki, 3-chorae Chiyoda-k.u, Tokyo Japan.	Process for producinB urea.
167486	12-9-1986	Do.	J'rJ^;s5for tr^tiijsjurna grinutes with a _{Urea} mjl, a [^] liquid coatinjj material in a fluidizing bed to a obtain coated urea granules.
171250	1640-1987	Do.	A procos* for the synthesis, of urea.
162238	1241-1984	U HDE,, GmbH of Fitfdrich-Uhd,-Str. 15,1 +600, Dortmund, Federal Republic of Germany.	Djvice far Performing exothermalcaialytie g ^u 's reactions for and th@ ammonia or methhnol synthesis.
168591	30-74916	Do.	Appratus for tho produotion of synthesis gas.

(1)	(2)	(3)	(4)
162734	W-1984	Uni. Van Kunstmes-fahricke Ti B.V. P.O. Box 43, Hot), AA Utrecht, Tho Netherlands.	Process for the preparation of granules.
164392	7-1-1985	Do.	Process for the preparation of uret.
168017	4-9-1986fi	Union Carbide Corpora*:on, of .19, OM Rillfbury jtd. Donbury, Stale of Connecticut., 06817, U.S.A.	A process for producing oldehydM by Hydroformylalion.
168034	4-9-1986	Do.	A hydroformylation process for producing aldehydes.
169702	10-7-1987	Do.	An improved non-aquoous hydroformylation process for producing aldehydes.
171145	19-5-1988	Do.	A process for producing atere^regular polymer* having a narrow molecnlar weight distributor.
172293	J4-19.W	(Jniti parcel ^ervici of America Ins, of 461, Woavev ST. Greenwich off Park-5, Greenwich Connerticut-06836, 3160, US.	System fur optical marks sensing and decoding optically readable label.
156855	7-4-1987.	Viindana Pvt. Ltd, at 203, 2nd Floor, Karen Centre, &D. Rd. Secunderabad-5000(B, Andhra, India.	Continuous carbonise ¹¹ for th- production of domestic coke from co al
164489	K-4-19KU	Voice Alpine AG. of 5. Maldemtrasso, A-4020, Linz, Austria.	An improved process for the production of sponge tron-with the simultaneous gene ration of top-gas.
169922	IJ-10-19R7	WNC-Nituichernie GmbH, of D-8261, Aschay, West Germany.	Process for the preparation of propell*nt harage powder.

REGISTRATION OF DESIGNS

The following designs hav^e been registered. They are open to Inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the regisration included in the entries.

Class 3. No. 172805, Delaey. French Societe Anonyme, a French company of 55 rue Raspail of 92532 Levelailuié Perret-Cbdex, France, "BP.AUTY CASE", nth December 1996.

CUII 3. No*. 172825, 172826, 172831 & 172832, Ficewill Sports Pvt. Ltd., an Indian Company having their principal place of business at S 32, Industrial Area, Jalandhar-144004, Punjab, India "FOOTBALL", 18th December 1996.

Claw 3. Nos. 172574 to 172576, Smt. Mohinder Kaiir, sole Proprietor, Maja Cosmetics, A 6J/9, G. T. Karnal •Road, Industrial Area, Delhi-33, India, an Indian! national, "CONTAINER", 11th November 1996.

Claw 4. NOB. 172871 to 172875, Pedder & Pedder Tiles Limited, a company incorporated under (he Indian Companies Act, 1956 having office at 603. Kcshava, Bandra-Kurla Complex, BandraFR). Mnmbai-40005:, Maharashtra, India, "TILE", 30th December 1996.

Claw 6. Nos. 172827 to 172830, Freewill Spoils Pvt. Ltd., an Indian Company having their principal place of

business at S 32, Industrial Area, JaLanduW- 144004, Punjab, India, "FOOTBALL", 18th December 1996.

Class 10. No. 172884, API Polymers (India) Limited, J 17, Udyog Nagar, New Pehli-iL0041, India, a company incorporated under the Indian Companies Act, 1956 whose registered office is at the above address, "SHOE SOLE", 1st January 1997.

Clss» 1. Nos. 172783 & 172784, The Goodyear Tire * Rubber Company, a corporation organised under the laws of the Stale, of Ohio, with offices at 1144 Eait Market Street, Akron, Ohio 44316 0001, U.S.A., "TYRE TREAD", 9th December 1996,

CUM 1. No. 172773, Tefal S.A., a French company of Z.I. des Granges 74150 Rumilly, France, "HANDLE FOR COOKING UTENSIL", 6th December 1996.

Class 3. Nos. 172774 & 172775, Tefal S.A., a French company of Z. I. des Granges 74150 Rumilly, Fiance, "HANDLE FOR COOKING UTENSIL", 6th December 1996.

Claw 10. No. 172794, S. S. Enterprises, Laxmi Market, Jagi-para, Shahganj, Agra, U. P. India, an Indian partnership concern, "THE SOLES OF SHOES FOOTWEAR ONLY", 10th December 1996.

T. R. SUBRAMANIAN
Controller General of Patent, Deiign & Trade Mark*

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित

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